

## **Senator John Kerry's Fiscal 2010 Federal Funding Requests** **For the People of Massachusetts**

**Potential Recipient:** 1366 Technologies

**Location:** Lexington, MA

**Purpose:** Advance solar energy technology

**Request:** \$5 million

**Project Description:** This funding is requested to support the Solar Cast Wafer Research and Development Project that has the potential to dramatically reduce the cost of solar panels, and thereby reduce our Nation's demand for foreign sources of fuel.

**Potential Recipient:** 2Is Inc

**Location:** Walpole, MA

**Purpose:** Reduced Cost Supply Readiness

**Request:** \$2.2 million

**Project Description:** Mission critical part repairs are often delayed, negatively impacting active military weapon systems due to long running military engagements abroad and may escalate as a result of the domestic auto industry challenges in the current economic environment. However, evidence shows weapon system supply readiness can be enhanced while simultaneously reducing the DOD's total cost and that is the aim of this project.

**Potential Recipient:** 3M Company

**Location:** Southbridge, MA

**Purpose:** Next Generation Optical Protector for Day/Night and Indoor/Outdoor Operations

**Request:** \$1 million

**Project Description:** This project would meet the stated need of the military for an optical shield that provides soldiers with a single lens that provides high visible light transmission in low ambient light situations and visible light filtering in high light situations.

**Potential Recipient:** A123Systems, Inc

**Location:** Watertown, MA

**Purpose:** Light Weight Nanophosphate Battery with Improved Energy Density

**Request:** \$3 million

**Project Description:** This project will produce a safe, high energy and high power rechargeable lithium ion battery. Adopting rechargeable batteries will help reduce the logistic burden of delivering batteries to the battle field and reduce the weight of batteries carried by soldiers into battle. In addition, this technology can provide high power capabilities to support a number of high power missions, such as satellite communication, laser, jammer and missile firing applications.

**Potential Recipient:** A Child is Missing

**Location:** Throughout Massachusetts

**Purpose:** A Child is Missing – Massachusetts

**Request:** \$400,000

**Project Description:** This funding will support A Child Is Missing (ACIM), a non-profit organization that assists law enforcement agencies in Massachusetts, in the first few hours a child, or an elderly adult, is reported missing.

**Potential Recipient:** Adam Walsh Child Protection Act programs at Department of Justice

**Location:** Nationwide

**Purpose:** Child safety

**Request:** Support authorized funding levels

**Project Description:** The Adam Walsh Child Protection Act authorized many programs and efforts to keep children safe from those who would threaten their health, emotional wellbeing and lives, which this funding will support.

**Potential Recipient:** AdMeTech Foundation

**Location:** Boston, MA

**Purpose:** Advanced diagnostic and therapeutic digital technologies

**Request:** \$4 million

**Project Description:** The primary objective of this request is to use appropriated funds to support specific prostate cancer imaging research projects at leading partner institutions.

**Potential Recipient:** Agiltron, Inc

**Location:** Woburn, MA

**Purpose:** Hostile Fire Indicator by Uncooled Two-Color Midwave Infrared Imaging

**Request:** \$4 million

**Project Description:** The Department of Defense has a critical need for advanced Hostile Fire Indicator (HFI) methods for weapons threat detection and countermeasures for aircraft and warfighter protection. The proposed program meets that need by supporting the military's Hostile Fire Indicator objectives, and also addresses the broader military need for thermal imaging as well as providing an enabling cost structure for thermal imaging in firefighting, first responder, and homeland security applications.

**Potential Recipient:** Ahura Scientific, Inc

**Location:** Wilmington, MA

**Purpose:** Raman Chemical ID System

**Request:** \$1.9 million

**Project Description:** With the utility of the First Defender proven, the proposed project will upgrade the system with the addition of complementary explosive trace detection (ETD) capability. ETD is a highly sensitive but nonselective technology that is well-suited to detecting the presence of an explosive.

**Potential Recipient:** Air Force Reserve

**Location:** Westover Air Reserve Base, Massachusetts

**Purpose:** Joint Services Lodging Facility

**Request:** \$10,474,000

**Project Description:** This project will address the shortfall of 266 rooms. The new joint service lodging facility will meet all ADA construction standards.

**Potential Recipient:** The Albert Schweitzer Fellowship (ASF) at Beth Israel Deaconess Medical Center (BIDMC)

**Location:** Albert Schweitzer Hospital, (Hospital Albert Schweitzer) Lambarene, Gabon, Africa

**Purpose:** United States – Schweitzer Lambarene Centennial Project: 2009-2013

**Request:** \$1 million

**Project Description:** The goal of this project is to engage the U.S. in supporting the world-class clinical and public health activities of the Albert Schweitzer Hospital in HIV/AIDS, TB, malaria, and maternal-child health, so that by the Hospital's 100<sup>th</sup> anniversary in 2013, it is a widely-celebrated and influential model of U.S.-sponsored excellence in health care in sub-Saharan Africa and a training site for health care professionals from across the continent.

**Potential Recipient:** Alphamed

**Location:** Acton, MA

**Purpose:** Develop a new targeted radiotherapy treatment for melanoma

**Request:** \$2.5 million

**Purpose:** The overall objective is to support the development of a new targeted radiotherapy treatment for melanoma. Funds will be used to complete preclinical tests, demonstrate radiopharmaceutical production to regulatory requirements, prepare clinical trial sites, and submit an Investigational New Drug application to the FDA.

**Potential Recipient:** ALS Research Program

**Project Location:** Nationwide

**Purpose:** Provide treatments for ALS

**Request:** \$10 million

**Project Description:** ALS is a fatal neurodegenerative disease. This funding will help translate basic science into new treatments for ALS, providing support to researchers in the private sector on a per-reviewed competitive basis.

**Potential Recipient:** ALS Therapy Development Institute

**Location:** Cambridge, MA

**Purpose:** ALS Therapy Development Institute Gulf War Research Program

**Request:** \$4.8 million

**Project Description:** Several studies (conducted by DOD and the VA) have concluded that veterans of the first Gulf War develop the fatal neurodegenerative disease known as ALS twice as frequently as the general population. Another study has concluded that military service is an identified risk factor for developing ALS. This funding would go into advanced research of neurodegenerative diseases.

**Potential Recipient:** American Science & Engineering

**Location:** Billerica, MA

**Purpose:** Z Portal x-ray inspection system

**Request:** \$6 million

**Project Description:** Z Portal inspection systems will provide a more efficient and secure manner of inspecting vehicles and cargo as they enter base than the current manual inspection process. Funding for this project would allow DoD/USMC to test and evaluate advanced screening technology in a real world environment to determine effectiveness and suitability.

**Potential Recipient:** America SCORES New England

**Location:** Boston, MA

**Purpose:** America SCORES New England Elementary and Middle School Expansion Project

**Request:** \$150,000

**Project Description:** These funds would be used to expand the America SCORES New England after-school program to 4-6 additional elementary and middle schools in Boston. The America SCORES model uses soccer, creative writing, and community service to improve academic achievement, health and well-being among participants.

**Potential Recipient:** American Superconductor

**Location:** Devens, MA

**Purpose:** Advance renewable energy

**Request:** \$6 million

**Purpose:** The purpose of the 10 MW Superconductor/Utility-Scale Wind Turbine Development Project is to advance the Administration's goals of doubling the amount of wind, solar and geothermal generating capacity within the next 3 years, and to grow wind energy from today's 1% of total energy generation to 20% by 2030.

**Potential Recipient:** Town of Amherst

**Location:** Amherst, Massachusetts

**Purpose:** Amherst Research Park Development, MA

**Request:** \$10 million

**Project Description:** This funding would be used to option sixty acres of vacant land located two miles from the University of Massachusetts Amherst campus and develop a research park to promote economic development. The Town is looking to attract a major research private institution to the site and prepare the site with the needed infrastructure to support up to a 600,000 square feet building.

**Potential Recipient:** Animal Care under Animal Plant Health Inspection Service Emergency Management Systems.

**Location:** Nationwide

**Purpose:** Protect animals during disasters

**Request:** \$1,001,000

**Project Description:** Hurricanes Katrina and Rita demonstrated that many people refuse to evacuate if they are forced to leave their pets behind. This funding will help the Animal Care division prepare for, and respond to, animal issues during natural disasters and incorporate lessons learned from previous disasters.

**Potential Recipient:** Animal Plant Health Inspection Service at the United States Department of Agriculture

**Location:** Nationwide

**Purpose:** Enforce the Animal Welfare Act

**Request:** \$22,275,270

**Project Description:** This money will help enforce provisions in the Animal Welfare Act, such as the ban on imports from foreign puppy mills, where puppies are mass produced under inhumane conditions and transported long-distances in harsh conditions.

**Potential Recipient:** Animal Plant Health Inspection Service at the United States Department of Agriculture

**Location:** Nationwide

**Purpose:** Implement the Legal Timber Protection Act.

**Request:** \$5.5 million

**Project Description:** This funding will be used to implement the Legal Timber Protection Act, which will help curb the importation of illegal wood products into the United States, thereby decreasing both the devastating economic and environmental consequences of illegal logging.

**Potential Recipient:** Animal Plant Health Inspection Service at the United States Department of Agriculture

**Location:** Nationwide

**Purpose:** Investigative and Enforcement Services

**Request:** \$14,036,350

**Project Description:** Investigative Enforcement Services investigate alleged violations of animal welfare laws and the initiates appropriate enforcement actions. This funding will help address the increasing number of animal welfare cases.

**Potential Recipient:** Anna Jacques Hospital

**Location:** Newburyport, MA

**Purpose:** Health Information Technology and Infrastructure to Improve Patient Care

**Request:** \$1 million

**Project Description:** Anna Jacques will use this requested funding to acquire information technology needed to improve the quality and lower the cost of patient care.

**Potential Recipient:** Apollo Diamond

**Location:** Framingham, MA

**Purpose:** Diamond Lens Elements for High Powered Laser

**Request:** \$3 million

**Project Description:** This project's focus is on development of 25mm (1 inch) single crystal diamond substrates for use in the Army's High Energy Laser (HEL) program. With this technology, the United States has the opportunity to become the future high technology diamond materials and applications center for the world, generating high paying, export oriented manufacturing jobs.

**Potential Recipient:** Applied Radar, Inc.

**Location:** Burlington, MA

**Purpose:** Wideband Digital Airborne Electronic Sensing Array

**Request:** \$3 million

**Project Description:** Applied Radar, Inc. has been supporting the Air Force Research Lab (AFRL/SNHA) at Hanscom AFB, MA for several years in the development of advanced digital receiver and beamforming technologies to support active electronically-scanned antenna arrays.

The requested funding would be used for additional development, integration and testing of various system components including a wideband antenna, wideband digital receivers, a real-time digital beamformer and processor.

**Potential Recipient:** Architectural Heritage Foundation Inc.

**Location:** Lowell, Massachusetts

**Purpose:** Hamilton Crossing Community Redevelopment Project, MA

**Request:** \$4 million

**Project Description:** The requested funding will be used to undertake construction of 265,000 square foot mixed-use residential and commercial space creating 65 units of affordable and workforce housing and 200,000 square feet of medical and other office space. Specifically, the requested funding will be used for core and shell preservation activities including masonry, windows, and façade repair.

**Potential Recipient:** ARCHway, Inc.

**Location:** Leicester, MA

**Purpose:** Renovations to Autism Treatment and Care Facility

**Request:** \$300,000

**Project Description:** ARCHway, a small non-profit agency that continually provides special education to 13 students with autism and supports two groups homes serving 12 adults with autism, is working on a facility expansion renovation plan to permit the expansion of ARCHway educational services. This funding would be used to acquire educational equipment and technology infrastructure needed as part of the ARCHway educational facility modernization.

**Potential Recipient:** Arteriocyte, Inc.

**Location:** Hopkinton, MA

**Purpose:** Infection Prevention Program for Battlefield Wounds

**Request:** \$2 million

**Project Description:** This project will be directed by Arteriocyte, Inc and the United States Army Institute of Surgical Research in collaboration with the Boston Spine Group/Tufts University, who have expertise in cellular therapies, infection prevention and surgical treatment of wounds. This collaborative organization will develop a delivery system for antibiotics that can be applied directly to the wound, and continually release antibiotic as it heals.

**Potential Recipient:** Asaba Group, Inc

**Location:** Natick, MA

**Purpose:** Army Manufacturing Technical Assistance Production Program

**Request:** \$2.5 million

**Project Description:** The Army Manufacturing Technical Assistance Production Program (MTAPP) will utilize these funds to assist in increasing the capabilities and enhancing the competitiveness of small manufacturing businesses in support of the Army and Department of Defense (DoD) missions.

**Potential Recipient:** Animal Plant Health Inspection Service at the United States Department of Agriculture

**Location:** Worcester, Massachusetts, the North East and the Midwest

**Purpose:** Eradicate and prevent the spread of the Asian Long-Horned Beetle

**Request:** \$50 million

**Project Description:** This funding will support efforts to eradicate the Asian Long-Horned Beetle that has infested Worcester, Massachusetts and prevent a national outbreak that could devastate the nation's forests and timber industry.

**Potential Recipient:** Aspen Aerogels, Inc.

**Location:** Northborough/Medford, MA

**Purpose:** Research and development effort to reduce manufacturing costs

**Request:** \$600,000

**Project Description:** With this requested funding, Aspen Aerogels and Tufts University will conduct research and development to focus on reducing the cost of high performance aerogel blanket insulation manufacturing through an optimization of the fluid flow portion of the manufacturing process.

**Potential Recipient:** Assumption College

**Location:** Worcester, MA

**Purpose:** Technology Infrastructure to Implement a Portal System and Web Redesign

**Request:** \$750,000

**Project Description:** This funding will help fund the development of a portal system that will provide improved online services with easy database access to students and the entire Assumption Community. The inclusion of an e-portfolio program will provide students with an effective means of showcasing their academic and community service work for potential employers and graduate schools.

**Potential Recipient:** Assurance Technology Corporation

**Location:** Carlisle, MA

**Purpose:** Software Reconfigurable Payload

**Request:** \$2 million

**Project Description:** The Software Reconfigurable Payload (SRP) provides rapid payload upgrades in response to changes in threats, missions and new threats/missions using software uploads without impacting payload hardware/platform – the platform does not have to return to swap out modules for another mission. This translates to a much shorter decision cycle in re-tasking the UAS or other platforms.

**Potential Recipient:** ATK Mission Systems, Aerospace Structures Division

**Location:** Hopkinton, MA

**Purpose:** Integration & test of Radar Technology Insertion Program

**Request:** \$192 million

**Project Description:** This funding is for the E-8C Joint STARTS Research, Development, Test, and Evaluation (RDTE) line to continue the testing, development, and fielding of the large Active Electronically Scanned Array (AESA) Multi Platform RTIP (MP-RTIP) radar system.

**Potential Recipient:** Aurora Imaging Technology, Inc

**Location:** North Andover, MA

**Purpose:** Dedicated Breast MRI System For Madigan Army Medical Center

**Request:** \$3.6 million

**Project Description:** This project will procure a dedicated breast MRI system to meet the requirements for the Breast Imaging Center at Madigan Army Medical Center (MAMC). This is necessary to meet its current patient care workload and to become a core component of the planned Women's Health Center at Madigan.

**Potential Recipient:** Autism Research

**Project Location:** National

**Purpose:** Advanced Autism Research

**Request:** \$15 million

**Project Description:** 1.5 million families have been affected by autism spectrum disorders. Additionally, 1 in 150 children in military families have an autism spectrum disorder. Providing an additional \$15 million dollars in the Department of Defense Appropriations Bill will allow the Department of Defense to continue to advance their research in autism spectrum disorders.

**Potential Recipient:** Barn-Raising.org, Inc.

**Location:** Wayland, MA

**Purpose:** Continued Development of Barn-Raising Employment Programs

**Request:** \$200,000

**Project Description:** These funds would be used to employ staff, specifically Barn Raising facilitators, who will run the Barn Raising program throughout New England. This program will enable states to place more unemployed people in new jobs.

**Potential Recipient:** BBN Technologies

**Location:** Cambridge, MA

**Purpose:** Acoustic Gun Detection System for Tracked Combat Vehicles

**Request:** \$2 million

**Project Description:** When Soldiers, Airmen or Marines are in their HMMWVs, Strykers, or MRAP vehicles, the Boomerang Gunfire Detection and Location System (GDS) can provide them immediate information on the shooter's location. BBN, in collaboration with the Army's ARDEC Acoustic Center of Excellence, proposes to incorporate novel acoustic techniques to detect and locate the sources of hostile small arms fire and in conjunction with an integrated UV sensor would allow for an extended localization performance of the System on High Noise Platforms such as the Bradley.

**Potential Recipient:** Beacon Power Corporation

**Location:** Tyngsboro, MA

**Purpose:** Naval Flywheel Energy Storage System

**Request:** \$3 million

**Project Description:** The Shipboard Flywheel Energy Storage System (FESS) will provide the Navy what it has long sought-- a proven, reliable, maintenance-free, and long-life alternative energy storage system to overcome the many shortcomings of lead-acid batteries.

**Potential Recipient:** Becker College

**Location:** Worcester, MA

**Purpose:** Becker College Nursing Initiative



**Request:** \$750,000

**Project Description:** This funding will support the expansion of advanced curriculum for Registered Nursing and Bachelor of Science in Nursing programs at Becker College. The goal of this program is to double enrollment within two years, enhance labs, and fund a revolving loan fund.

**Potential Recipient:** Bedford Research Foundation

**Location:** Bedford, MA

**Purpose:** A Project to Expedite Clinical Trials of Existing Drugs and Viral Vectors for the Treatment of Cancers of the Brain and for the Prevention and Treatment of Prostate Cancer, Breast Cancer, Ocular Melanoma and Diabetic Proliferative Retinopathy

**Request:** \$9 million

**Project Description:** The objective of this multi-institutional project is to complete pre-clinical studies, production of drug and oncolytic viruses, studies and other work and activities needed for the submission of Investigational New Drug Applications to the FDA for clinical trials for the treatment of brain cancer and the prevention and treatment of breast, prostate, and ocular cancer and diabetic proliferative retinopathy.

**Potential Recipient:** Benjamin Franklin Institute of Technology

**Location:** Boston, MA

**Purpose:** Ophthalmic Assistant Training Program to Meet the Needs of Patients and the Workforce

**Request:** \$250,000

**Project Description:** These funds would go to support a program to help serve disadvantaged populations in Massachusetts looking for career training and advancement. Specifically, these funds will be used to provide a one- year, two-semester certificate program for Ophthalmic Assistant Training for approximately 30-40 students annually.

**Potential Recipient:** Berkshire Theatre Festival

**Location:** Stockbridge, Massachusetts

**Purpose:** Berkshire Theatre Festival Restoration

**Request:** \$598,550

**Project Description:** The 80<sup>th</sup> Anniversary Campaign is a renovation and revitalization campaign for the Berkshire Theatre Festival. This funding would provide for improvements for access for patrons on walkways, roadways, and parking areas of the campus, as well as improvements to buildings and patron amenities.

**Potential Recipient:** Beth Israel Deaconess Medical Center

**Location:** Boston, MA

**Purpose:** The Medical Center's Program to Train Health Care Professionals to Address the Urgent Global Health Crisis of HIV/AIDS, TB and Malaria

**Request:** \$1 million

**Project Description:** Beth Israel Deaconess Medical Center will use these funds to train and support health care professionals to address the growing global crises of HIV/AIDS, TB, malaria, and maternal and child health.

**Potential Recipient:** Bionostics, Inc.

**Location:** Devens, MA

**Purpose:** UniDose Military Diabetic Testing Technology Program

**Request:** \$2 million

**Project Description:** Without calibration of diabetic testing equipment patients can mis-diagnose his or her condition, resulting in incorrect administering of medication that can have serious consequences causing additional medical costs and possible injury to the patient. The UniDose Military Diabetic Testing Technology Program utilizes a unique single use, single dose calibration standard that can be carried in any environment, used for calibration of the meter and disposed.

**Potential Recipient:** Black-I Robotics, Inc.

**Location:** Tyngsboro, MA

**Purpose:** Landshark Chassis Payload and System DT&E

**Request:** \$4 million

**Project Description:** This funding is to complete the evaluation of specific mission capabilities currently being monitored at Logan International Airport, Sandi National Laboratories and NAVSEA Dahlgreen. Black I-Robotics is developing LandShark platforms and related payloads that will be constructed and fielded with local law enforcement agencies, local fire and hazmat units.

**Potential Recipient:** Block Engineering

**Location:** Marlborough, Massachusetts

**Purpose:** Portable IED/TIC Detector

**Request:** \$3.7 million

**Project Description:** The program funded by this request would identify the specific equipment configuration(s) for standoff explosive detection missions, fund the required modification to Block's PORTHOSTM and/or M200 sensors, conduct field evaluations and allow NVESD to acquire 6-8 systems for an operational field evaluation by the war fighter in Southwest Asia.

**Potential Recipient:** City of Boston

**Location:** Boston, MA

**Purpose:** Boston Senior Citizens Health Disparities Reduction Project

**Request:** \$450,000

**Project Description:** These funds will create and implement a case management program to identify and provide services to low-income seniors across the city. The well-being of the elderly population in Boston will be significantly enhanced through improved coordination between agencies delivering health care and support services.

**Potential Recipient:** City of Boston

**Location:** Boston, Massachusetts

**Purpose:** Northern Avenue Bridge Rehabilitation, MA

**Request:** \$4.5 million

**Project Description:** This funding would go towards the design, engineering and permitting of a comprehensive rehabilitation of the Northern Avenue Bridge. The Northern Avenue Bridge is a part of the emergency evacuation network for the South Boston area that houses the U.S. Federal

Courthouse, and it is in a state of disrepair that requires attention to prevent further degradation and the development of public safety concerns.

**Potential Recipient:** City of Boston

**Location:** Boston, Massachusetts

**Purpose:** Rutherford Avenue/Sullivan Square Improvements, MA

**Request:** \$10 million

**Project Description:** The project will result in the realignment of a 10 lane roadway which is currently a barrier for the historic Charlestown neighborhood with a design that will divert regional traffic to the newly completed Central Artery. It will address local traffic moves, create a pedestrian friendly corridor, provide access to two Orange Line subway stations, provide links with an existing waterfront open space system and create economic development opportunities.

**Potential Recipient:** Boston College

**Location:** Chestnut Hill, Massachusetts

**Purpose:** Institute for Integrated Sciences at Boston College

**Request:** \$5 million

**Project Description:** These funds would be used to acquire technology needed to support the establishment of an Institute of Integrated Science that will encompass the Center for Molecular Biology, the Center Synthetic Organic Chemistry, and the Center for Complex Materials.

**Potential Recipient:** City of Boston

**Location:** Boston, MA

**Purpose:** Determine the impacts of using solar compactors instead of traditional trash collection methods

**Request:** \$2 million

**Project Description:** The Solar Compactor Energy Efficiency Research Demonstration Project would implement a city-wide installation of wireless enabled solar compactors with attached recycling units throughout Boston. It would also conduct a comprehensive analysis of the impact on fuel and labor costs, carbon dioxide emissions, additional environmental effects, as well as the impact on the public's recycling habits of these compactors

**Potential Recipient:** Boston College

**Location:** Chestnut Hill, Massachusetts

**Purpose:** Irish Institute at Boston College

**Request:** \$1million

**Project Description:** The Irish Institute is an internationally recognized economic development and public service exchange program dedicated to promoting peace and prosperity in Ireland and Northern Ireland at a critical juncture in the peace process.

**Potential Recipient:** Boston College

**Location:** Chestnut Hill, Massachusetts

**Purpose:** Boston College's Weston Observatory

**Request:** \$500,000

**Project Description:** for the development of a reliable system to rapidly identify the location and magnitude of all earthquakes in New England and the surrounding areas

**Potential Recipient:** Boston Foundation, Inc.

**Location:** Boston, MA

**Purpose:** Comprehensive Foreclosure Education and Prevention Initiative

**Request:** \$800,000

**Project Description:** This initiative supports the community safety organizing work of community based organizations working to address foreclosed and abandoned properties in Boston neighborhoods impacted by high numbers of foreclosures.

**Potential Recipient:** Boston Foundation for Sight

**Location:** Needham Heights, MA

**Purpose:** Improving Access to Vision-Restoring Technology

**Request:** \$750,000

**Project Description:** This funding would provide free care to approximately 100 patients suffering from corneal disease and eye injuries. Restoring patient's vision allows them to return to work and regain their independence.

**Potential Recipient:** Boston Medical Center

**Location:** Boston, MA

**Purpose:** Carl J. and Ruth Shapiro Ambulatory Care Center

**Request:** \$5 million

**Project Description:** This funding will be used to construct and equip a new ambulatory building. This building is one part of Boston Medical Center's multi-pronged efforts to address health care disparities, housing new technologies and equipment to bring consistently high quality care. It will enable the consolidation of clinical services currently scattered in different locations.

**Potential Recipient:** Boston National Historical Park

**Location:** Boston, Massachusetts

**Request:** \$5,498,000

**Purpose:** Charlestown Navy Yard

**Project Description:** for renovations to Pier 1 at the Charlestown Navy Yard

**Potential Recipient:** Boston University Photonics Center

**Location:** Boston, MA

**Purpose:** Boston University Photonics Center

**Request:** \$6.7 million

**Project Description:** The requested funding will complete work on a prototype which detects viral agents and continue development on a unit which identifies radiological and nuclear elements where the level and specific time of exposure are unknown.

**Potential Recipient:** Boston University School of Medicine

**Location:** Boston, MA

**Purpose:** Consortium for Public Health and Medical Preparedness Disaster Planning

**Request:** \$10 million

**Project Description:** This project will develop evidence-based expertise in public health and healthcare under crisis including triage, crisis response procedures and practices, crisis and disaster management, incident and unified command, and health and human services supporting infrastructures in disasters.

**Potential Recipient:** Boys & Girls Club of Greater Westfield

**Location:** Westfield, Massachusetts

**Purpose:** Boys & Girls Club Renovation and Expansion, MA

**Request:** \$500,000

**Project Description:** The Boys & Girls Club of Greater Westfield, Inc offers after-school educational, fitness, and computer technology training to disadvantaged children. These programs are conducted in a facility constructed in 1991 that is no longer of sufficient size to accommodate a rapidly growing number of children using the facility each year. The purpose of this project is to restore and enhance the facility to allow these youth development programs to grow in a safe and more reliable environment.

**Potential Recipient:** Brain Tumor Foundation

**Location:** New York, NY

**Purpose:** Expansion of Brain Tumor Early Detection Programs

**Request:** \$500,000

**Project Description:** These funds would be used to expand the Brain Tumor Foundation's early detection program in Massachusetts and Rhode Island. This funding will be used to acquire equipment and to provide training.

**Potential Recipient:** Brandeis University

**Location:** Waltham, MA

**Purpose:** Science Complex Renewal Project Phase 1

**Request:** \$2 million

**Project Description:** This funding is requested to acquire educational equipment and technology infrastructure needed to support the renovation and expansion of Brandeis University's Science Complex.

**Potential Recipient:** Breast Cancer Research Program

**Project Location:** Nationwide

**Purpose:** Breast cancer research

**Request:** \$150 million

**Project Description:** This funding will support research efforts to find an accurate, reliable early detection method, and a cure for breast cancer.

**Potential Recipient:** Bristol Community College

**Location:** Fall River, MA

**Purpose:** Veteran's Higher Education Access Initiative

**Request:** \$400,000

**Project Description:** These funds are requested to start a program to help returning veterans transition back to college and succeed in a higher education setting. This program will also help returning veterans re-enter the workforce.

**Potential Recipient:** City of Brockton

**Location:** Brockton, Massachusetts

**Purpose:** Brockton After Dark Youth Project

**Request:** \$350,000

**Project Description:** This funding will go to support the City of Brockton's successful summer violence prevention program known as "Brockton After Dark," and associated youth summer employment services. "Brockton After Dark" was created in 2002 to reduce serious incidents of violence among youth in Brockton during the summer months.

**Potential Recipient:** City of Brockton

**Location:** Brockton, Massachusetts

**Purpose:** Public Safety Improvements and Upgrades

**Request:** \$1,426,000

**Project Description:** The City of Brockton is seeking this funding to purchase 10 Police Cruisers, 4 additional gunfire detection systems, and related technology infrastructure upgrades to provide for public safety.

**Potential Recipient:** Brockton Area Private Industry Council, Inc.

**Location:** Brockton, MA

**Purpose:** The Gateway Project for Workforce Development Program for At-Risk Youth.

**Request:** \$1.2 million

**Project Description:** This funding will support a comprehensive transitional jobs program called the Gateway Project, which provides skill development, job placement, and comprehensive reintegration services for program participants.

**Potential Recipient:** Brookline Community Mental Health Center

**Location:** Brookline, MA

**Purpose:** Improving Access to the Safety-Net of Mental Health Services for Low-Income and High-Risk Women

**Request:** \$500,000

**Project Description:** This funding would be used to support safety-net services for low-income and high-risk women, including free or reduced-fee visits, and group therapy for 200 high-risk women and teens. It would also provide outreach and group sessions for up to 300 women and teen girls who are recovering from violence or domestic abuse.

**Potential Recipient:** Brownfields Program at the Environmental Protection Agency

**Location:** Nationwide

**Purpose:** Clean-up brownfields

**Request:** \$250 million

**Project Description:** This funding will help enable the Environmental Protection Agency to jump start thousands of additional revitalization projects, helping to return brownfields to productive uses, creating new jobs, generating additional tax revenue, and improving and protecting the environment.

**Potential Recipient:** Building Technologies Program

**Location:** Nationwide

**Purpose:** Build zero energy homes and zero energy commercial buildings

**Request:** \$237 million

**Project Description:** The Building Technologies Program has a stated goal to build zero energy homes by 2020 and zero energy commercial buildings by 2025. This funding will help the Building Technologies Program achieve zero energy buildings by supporting their efforts to the develop standards for energy efficient appliances and equipment; work with cities, states and associations to improve building energy codes; and support research and development into the energy efficiency and renewable energy technologies.

**Potential Recipient:** Cambridge Redevelopment Authority (CRA)

**Location:** Cambridge, Massachusetts

**Purpose:** Longfellow Bridge Approach and Gateway, MA

**Request:** \$1 million

**Project Description:** This project is to create a gateway for motorists, transit riders, and pedestrians into the City of Cambridge using the Longfellow Bridge/Broadway Corridor entryway from downtown Boston, across the Charles River, and into Kendall Square and the City of Cambridge. This funding would go towards gateway signage, water or steam features, new plantings and landscaping, and area-wide lighting.

**Potential Recipient:** Campus Kitchens Project

**Location:** Washington, DC

**Purpose:** Campus Kitchens' Massachusetts Project

**Request:** \$75,000

**Project Description:** These funds would be used to open a kitchen in Massachusetts that would provide more than 800,000 meals to the homeless community. This kitchen would employ a full-time worker dedicated to food resourcing, volunteer management, and community development activities, but would be primarily staffed by volunteer college students.

**Potential Recipient:** Cape Cod Community College

**Location:** Barnstable, MA

**Purpose:** Renewable energy education courses and workforce training programs

**Request:** \$500,000

**Project Description:** Cape Cod Community College (CCCC) has delivered environmental technology courses to more than 4,000 students since 1995. In the past seven years, the college has developed renewable energy courses and workforce training programs to those employed in the energy filled green construction and renewable energy industries. This funding will be used to support those courses and associated research.

**Potential Recipient:** Cape Cod Maritime Museum

**Location:** Cape Cod, MA

**Purpose:** Continued Development of Educational Programs

**Request:** \$250,000

**Project Description:** This funding will be used to support the continued development of educational programs that use Cape Cod's rich maritime history to reach students of all ages,

with a particular focus on youth educational programs. The Cape Cod Maritime Museum will develop multi-media exhibits with this funding and restore existing exhibits as well.

**Potential Recipient:** Cape Seafoods/Northern Pelagic Group

**Location:** Boston, Massachusetts

**Purpose:** Enhancing Data Collection, Research and Assessment Capabilities for Managing the Atlantic Herring and Atlantic Mackerel Resources in the Northwest Atlantic Ocean

**Request:** \$1.6 million

**Project Description:** This project will help develop and sustain a world-class data acquisition/analysis program to help ensure the sustainability of the Atlantic mackerel and herring fisheries well into the future. These industries are critical to the economic health of fishing communities throughout Massachusetts.

**Potential Recipient:** Caring Health Center, Inc.

**Location:** Springfield, MA

**Purpose:** Development of a New Health Care Facility

**Request:** \$1 million

**Project Description:** These funds will be used to develop the architectural plans and budget for the construction of a new facility for the Caring Health Center.

**Potential Recipient:** Caring Health Center, Inc.

**Location:** Springfield, MA

**Purpose:** Wellness Center

**Request:** \$149,000

**Project Description:** These funds will be used to develop a wellness team to provide effective wellness programming, such as nutrition, exercise, and social support, for Caring Health's patients.

**Potential Recipient:** Caring Health Center, Inc.

**Location:** Springfield, MA

**Purpose:** Urgent Care Program Support

**Request:** \$235,000

**Project Description:** These funds will be used to cover ongoing operating costs of the urgent care program for doctors, dentists and staff to serve walk-in patients as efficiently as possible.

**Potential Recipient:** Caroline Pryce Walker Conquer Childhood Cancer Act at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Pediatric cancer research, awareness, and creation of a national childhood cancer registry

**Request:** \$30 million

**Project Description:** This funding will help enhance pediatric cancer research on the cause, prevention, diagnosis, recognition, treatment and long-term effects of pediatric cancer; expand public awareness and educational outreach; and create a national childhood registry to track epidemiology of pediatric cancer.



**Potential Recipient:** Carol White Physical Education Program (PEP) at the Department of Education

**Location:** Nationwide

**Purpose:** Physical education in schools

**Request:** Continued/Increased funding

**Project Description:** The Carol White Physical Education Program is a critical piece of the effort to improve and strengthen school-based physical education around the country. The program helps to encourage children to adopt healthier lifestyles, and school-based physical education provides sustained, safe and supervised instruction in physical activity. This funding will help support and expand the program.

**Potential Recipient:** Center for Civic Education at the Department of Education

**Location:** Nationwide

**Purpose:** We the People, School Violence Prevention, and Cooperative Education Exchange Programs

**Request:** \$35 million

**Project Description:** This funding is requested to support programs authorized in the Education for Democracy Act, which reach some 5 million students annually and have been demonstrated to be effective programs through independent research and evaluation. The Education for Democracy Act programs have been proven to increase students' fundamental understanding of democracy, improve the school environment, and increase academic achievement.

**Potential Recipient:** Center for Disease Control and Prevention (CDC)

**Location:** Nationwide

**Purpose:** Add a question to the National Health Interview Survey (NHIS) regarding sexual orientation and gender identity

**Request:** \$2 million

**Project Description:** This funding will be used to add a question to the National Health Interview Survey (NHIS) about sexual orientation/gender identity to give lesbian, gay, bisexual, and transgender (LGBT) communities' tools to assess and take measures to improve their health.

**Potential Recipient:** Center for Disease Control and Prevention (CDC)

**Location:** Nationwide

**Purpose:** Establish a psoriasis data collection system, including a patient registry

**Request:** \$1.5 million

**Project Description:** This funding will help CDC address the lack of data on individuals with psoriasis and psoriatic arthritis and answer the many questions and mysteries surrounding the disease by supporting the establishment of a psoriasis data collection system at CDC.

**Potential Recipient:** Center for Integration of Medicine and Innovative Technology

**Location:** Boston, MA

**Purpose:** Center for Integration of Medicine and Innovative Technology

**Request:** \$25 million

**Project Description:** The Center for Integration of Medicine and Innovative Technology (CIMIT) is a productive, talent rich consortium poised to take on the unresolved problems that face our nation, including landmark work on TBI, PTSD, Trauma and Casualty Care, and

Infection Control/Sepsis. This funding would provide the necessary innovative development to solve critical problems in a timely and effective manner.

**Potential Recipient:** Center for Technology Commercialization Inc.

**Location:** Westborough, Massachusetts

**Purpose:** Massachusetts Law Enforcement Technology and Training Support Center

**Request:** \$3 million

**Project Description:** The Center for Technology Commercialization (CTC) is a non-profit organization with extensive experience in the public safety field. CTC will use these funds to expand the services provided by the Massachusetts Law Enforcement Technology and Training Support Center (MALETTSC), which is an important resource to law enforcement agencies across the state.

**Potential Recipient:** Center for Transportation and the Environment

**Location:** Hudson, MA

**Purpose:** Energy storage

**Request:** \$1.5 million

**Project Description:** The purpose of the Energy Storage/Conservation and Carbon Emissions Reduction Demonstration Project is to help CTE, a nonprofit with a \$110 million advanced technologies portfolio and more than 15 years experience, partner with DOE, DOT, and other government agencies, and Test Devices, Inc. (TDI), a Massachusetts corporation, to develop and install prototype energy storage technology that could yield substantial energy savings and show American manufacturers how to reduce operation costs.

**Potential Recipient:** Center for Women and Enterprise

**Location:** Boston, MA

**Purpose:** Development of an Entrepreneurial Education Program for Women

**Request:** \$450,000

**Project Description:** This funding would support the development of a program aimed at small business development needs of women with businesses with 20 or fewer employees -- or women looking to start businesses -- during the current economic recession. The initiative will pair classroom instruction with mentoring combined with a multi-week courses, workshops and follow-up consulting on topics directly challenging the current economic crisis.

**Potential Recipient:** Child Abuse Prevention and Treatment Act (CAPTA) programs at the Department of Justice

**Location:** Nationwide

**Purpose:** To prevent and improve knowledge of child abuse and neglect

**Request:** \$201 million

**Project Description:** This funding will be used to strengthen state child protection systems, community-based prevention services for families, and research and demonstration projects to develop innovative programs to serve children and families and improve knowledge about child maltreatment.

**Potential Recipient:** Child Care and Development Block Grant (CCDBG) programs at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Childcare assistance

**Request:** \$1 billion

**Project Description:** The CCDBG helps low-income families receive child care and provides states with essential resources to improve the quality of that care. This funding will assist the growing number of families qualify for and need this child care assistance in order to maintain stable employment.

**Potential Recipient:** Children's Hospitals Graduate Medical Education (CHGME) program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Support children's hospitals

**Request:** \$330 million

**Project Description:** This funding will support CHGME, benefiting the health of all children by helping to enable children's hospitals to sustain their many services and providing training opportunities for the next generation of pediatric providers.

**Potential Recipient:** Clark Art Institute

**Location:** Williamstown, MA

**Purpose:** Campus Enhancement and Expansion Project

**Request:** \$1.65 million

**Project Description:** These funds will be used to acquire information technology systems needed to support a new visitor center and renovations to the Clark Institute's Manton Research Center.

**Potential Recipient:** Clark University

**Location:** Worcester, MA

**Purpose:** Technology Infrastructure Support for Clark University

**Request:** \$1 million

**Project Description:** This funding will support Clark's efforts to upgrade technology in the University's classrooms to support the changing needs of professors and students. It will also improve the University's capacity to conserve energy resources by upgrading and consolidating the University's energy management system into one centralized system.

**Potential Recipient:** Clean Earth Technologies

**Location:** Boston, MA

**Purpose:** Ambulance Decontamination Equipment for Chemical and Biological Hazards

**Request:** \$695,000

**Project Description:** The project will develop first-responder vetted procedures and a prototype decontamination kit for ambulances.

**Potential Recipient:** Clean Water and Drinking Water State Revolving Fund

**Location:** Nationwide

**Purpose:** Water Infrastructure

**Request:** \$3.9 million

**Project Description:** This funding capitalizes state clean water and drinking water loan

programs which in turn fund water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management, as well as funding public water system infrastructure improvement projects.

**Potential Recipient:** Coalition for Buzzards Bay

**Location:** New Bedford, Massachusetts

**Purpose:** The Buzzards Bay Center

**Request:** \$250,000

**Project Description:** This assistance is sought to aid green renovation of the Coggeshall Counting House in New Bedford's Waterfront Historic District and National Park by the Coalition for Buzzards Bay to create the "Buzzards Bay Center." The Buzzards Bay Center will expand regional awareness of the challenges facing the Bay and educate and engage people of all ages in environmental issues.

**Potential Recipient:** Codman Square Health Center

**Location:** Dorchester, MA

**Purpose:** Health Center Expansion

**Request:** \$11 million

**Project Description:** These funds are requested to build an addition onto the Codman Square Health Center Building, which would provide expanded health care services and education spaces. This project will also allow for the expansion of a health professions training program.

**Potential Recipient:** Commodity Supplemental Food Programs at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Provide nutritious food to seniors, and mothers and children.

**Request:** \$203 million

**Project Description:** The Commodity Supplemental Food Program is a nutrition program that delivers USDA commodities to primarily homebound seniors, and mothers and children. This funding will help to maintain services at existing sites and expand the services to meet the going need for food assistance.

**Potential Recipient:** Commonwealth of Massachusetts

**Location:** Commonwealth of Massachusetts

**Purpose:** Accelerated Worker Retraining for 21<sup>st</sup> Century Jobs Initiative

**Request:** \$900,000

**Project Description:** These funds will support the creation of accelerated programs to train workers to enter into health care, manufacturing, and early childhood education industries. These programs will ensure the availability of skilled workers for critical workforce sectors.

**Potential Recipient:** Commonwealth of MA Executive Office of Health and Human Services

**Location:** Boston, MA

**Purpose:** Pathways Out of Poverty Program

**Request:** \$500,000

**Project Description:** These funds will develop comprehensive anti-poverty strategies to address the multiple obstacles facing low-income families in an personalized fashion, concentrating on

families living at or below the poverty level who are at risk of becoming involved, or who are involved, in the State's child welfare or juvenile justice system. The strategies will be designed to improve collaboration between agencies and fill gaps in existing services.

**Potential Recipient:** Communities in Schools (CIS)

**Location:** Nationwide

**Purpose:** Drop-out prevention

**Request:** \$5 million

**Project Description:** This funding will support CIS's efforts to identify and mobilize existing community resources and fosters cooperative partnerships for the benefit of students and families to prevent dropouts.

**Potential Recipient:** Community Development Block Grants (CDBG) Program

**Project Location:** Nationwide

**Purpose:** Community development

**Request:** \$4.185 million

**Project Description:** This funding will support vital housing rehabilitation, supportive services, public improvements and economic development projects in communities across the nation.

**Potential Recipient:** Community Mental Health Services Block Grant at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Mental health care

**Request:** \$100 million

**Project Description:** The Mental Health Block Grant is the principal vehicle for federal financial support or evidenced-based comprehensive community services to people living with mental disorders. This funding would help states and community providers to immediately respond to patient caseloads swollen by rising unemployment.

**Potential Recipient:** Cooperative State Research, Education, and Extension Service at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Veterinary Student Loan Forgiveness

**Request:** \$5 million

**Project Description:** This funding will address the critical shortage of veterinarians by helping to implement the National Veterinary Medical Services Act, which allows forgiveness of student loans if the student chooses to work in underserved areas.

**Potential Recipient:** Corporation for National and Community Service

**Location:** Nationwide

**Purpose:** National and Community Service Programs

**Request:** support the President's budget request

**Project Description:** The service, volunteers, and private investments stimulated by these federally-funded service opportunities will help charities, non-profit organizations, and faith-based organizations expand efforts to meet our country's many challenges.

**Potential Recipient:** Corporation for Public Broadcasting

**Location:** Nationwide

**Purpose:** Support local radio and television stations

**Request:** \$542 million

**Project Description:** This funding will be used to support local television and radio stations' public service mission and enable America's stations to expand public service through new media platforms.

**Potential Recipient:** Corporation for Public Broadcasting and Digital Broadcasting

**Location:** Nationwide

**Purpose:** Transition to digital broadcasting

**Request:** \$40 million

**Project Description:** This funding will be used to help stations complete the transition of their main transmitters and equipment to digital.

**Potential Recipient:** Covanta Energy

**Location:** Haverhill, MA

**Purpose:** Conversion of Municipal Solid Waste to Renewable Diesel Fuel

**Request:** \$3.15 million

**Project Description:** This program will research and test catalytic and non-catalytic systems to convert organic materials into renewable diesel that meets stringent EPA requirements for low sulfur content, resulting in a cleaner burning fuel and added environmental benefits.

**Potential Recipient:** Cure Alzheimer's Fund

**Location:** Wellesley Hills, MA

**Purpose:** The Alzheimer's Genome Project

**Request:** \$750,000

**Project Description:** These funds will support the extension of the Fund's Genome Project, which seeks to discover and map new genes associated with Alzheimer's disease. The Genome Project accelerates the process for development of new therapeutic interventions for the disease.

**Potential Recipient:** Curtiss-Wright Controls Embedded Computing

**Location:** Littleton, MA

**Purpose:** Integrated Vehicle Health Monitoring System

**Request:** \$3.3 million

**Project Description:** This request will support research intended to leverage efforts within the commercial automotive industry to determine the value of adopting appropriate commercial automotive standards as a baseline for developing a set of standards for the Army's vehicle health monitoring system.

**Potential Recipient:** Dana Farber Cancer Institute

**Location:** Boston, MA

**Purpose:** Dana Farber Cancer Institute's Center for Biomedical Imaging in Oncology

**Request:** \$5 million

**Project Description:** These funds are requested by the Dana Farber Institute to support the establishment of a cyclotron facility as part of its new Center for Biomedical Imaging on

Oncology. A cyclotron facility will allow CBIO to become an international leader in the development and implementation of cancer imaging methods that include utilization of short half-life radionuclides to allow clinicians to better diagnose cancer, choose targeted therapies, monitor treatment efficacy, and improve the outcomes of adult and pediatric cancer patients.

**Potential Recipient:** Dana Farber Cancer Institute

**Location:** Boston, MA

**Purpose:** Nursing Health Disparities Initiative

**Request:** \$500,000

**Project Description:** These funds are requested to develop a partnership between DFCI Department of Nursing, the Phyllis Cantor Center for Research in Nursing and Patient Care Services, and the UMass Boston College of Nursing and Health Sciences. This partnership will create a nurse training and mentorship program that will prepare students with a focus on cancer care, health policy, and health disparities in a coordinated effort.

**Potential Recipient:** Second Chance Act programs at the Department of Justice

**Location:** Nationwide

**Purpose:** Reentry services and policies

**Request:** \$75 million

**Project Description:** This funding will help state and local governments and nonprofit organizations around the country launch innovative reentry programs to help individuals overcome the numerous challenges they face when retuning to the community from prison and to lower recidivism rates.

**Potential Recipient:** Devereux Massachusetts

**Location:** Rutland, Massachusetts

**Purpose:** Program Wide Positive Behavior Support for At-Risk Youth in Massachusetts

**Request:** \$150,000

**Project Description:** Devereux Massachusetts will use this funding to establish a Program-Wide Positive Behavior Support (PWPBS) system for at-risk youth in Rutland, MA. Devereux Massachusetts serves male and female clients in the age range of 6-21 years with a variety of psychiatric conditions, including conduct and oppositional-defiant disorders, attention-deficit hyperactivity disorder, and post-traumatic stress disorder.

**Potential Recipient:** Deaf-blind programs and services

**Location:** Nationwide

**Purpose:** Provide resources for children who are deaf and blind

**Request:** \$5 million increase from FY09

**Project Description:** This funding will be used to address the increasing need for deaf-blind and programs and well-trained professionals in this field.

**Potential Recipient:** Department of Energy's Office of Science

**Project Location:** Nationwide

**Purpose:** Support scientific research

**Request:** \$4.722 billion

**Project Description:** This funding will support the Office of Science, which is the main federal sponsor of basic research aimed at achieving scientific breakthroughs necessary to meet our nation's growing needs for clean, abundant energy.

**Potential Recipient:** DocBox, Inc.

**Location:** Waltham, MA

**Purpose:** Clinical Technology Integration for Military Health

**Request:** \$2.7 million

**Project Description:** The incompatibility of medical devices, equipment, and hospital information systems has left patients vulnerable to human error associated with the manual entry of medical data and limitations caused by caregivers not having access to a complete set of continuous patient data as the patient moves between and within treatment facilities. The proposed program will demonstrate the clinical benefits derived from integrating the clinical environment to create point of care control systems providing the patients of the Defense Department and Veterans Health Administration the highest level of clinical care.

**Potential Recipient:** Drug Free Communities (DFC) grant program and the National Community Anti-Drug Coalition Institute

**Location:** Nationwide

**Purpose:** Address local drug problems

**Request:** Increase funding, including \$2 million within total amount appropriated for the Institute

**Project Description:** This funding will help provide communities with the leadership and resources needed to respond to local drug problems in a comprehensive and coordinated manner.

**Potential Recipient:** Dynamet Technology, Inc.

**Location:** Burlington, MA

**Purpose:** Reduce the weight of motor vehicles and upgrade fuel efficiency

**Request:** \$1.8 million

**Project Description:** This project will utilize the cost-effective, environmentally friendly innovative titanium powder manufacturing technology developed by Dynamet Technology, Inc. to produce critical automotive powertrain components in titanium. This new approach should help reduce the weight of motor vehicles and upgrade fuel efficiency.

**Potential Recipient:** Eastern Nazarene College

**Location:** Quincy, MA

**Purpose:** Continued Development of Civic Responsibility Programs

**Request:** \$100,000

**Project Description:** These funds will be used to develop a program centered on civic responsibility and social justice. This program will work with students to volunteer and serve diverse and vulnerable populations.

**Potential Recipient:** Education for Democracy program at the Department of Education

**Location:** Nationwide

**Purpose:** Civic education domestic and international programs



**Request:** \$35 million

**Project Description:** This funding will support initiatives to increase students' fundamental understanding of democracy, improve the school environment, and increase academic achievement.

**Potential Recipient:** Edward M. Kennedy Institute for the United States Senate

**Location:** Nationwide

**Purpose:** Development of Civics Education Center and National Programs

**Request:** \$34 million

**Project Description:** This requested funding will be used to support the development of the Edward M. Kennedy Institute for the Senate on the campus of the University of Boston-Massachusetts, which is intended to serve as the nation's preeminent civics education institution. The Institute will use the role of the US Senate and House of Representatives as tools to teach students of all ages about the unique form of our Constitutional government and representative democracy and will work in close concert with the National Archives, the Library of Congress, and the US Congress.

**Potential Recipient:** Edward M. Kennedy Institute for the United States Senate

**Location:** Boston, MA

**Purpose:** Edward M. Kennedy Institute for the United States Senate

**Request:** \$2 million

**Project Description:** The Edward M. Kennedy Institute for the United States Senate, which will be located on the campus of the University of Massachusetts at Boston, will work closely with the Library of Congress to promote the improvement of civic education using the Legislative Branch of our government as a teaching tool for students of all ages.

**Potential Recipient:** Eikos, Inc.

**Location:** Franklin, MA

**Purpose:** Advance solar energy technology

**Request:** \$2.4 million

**Purpose:** The purpose of the project is to further efforts by Eikos and the Department of Energy to develop an entirely new type of conductive, transparent electrodes for collecting electrical charge in photovoltaic cells.

**Potential Recipient:** Emerson College

**Location:** Boston, Massachusetts

**Purpose:** Colonial Building Preservation and Redevelopment, MA

**Request:** \$500,000

**Project Description:** This requested funding for renovations to the historic Colonial Building to create dormitory space as well as continue the revitalization of the Midtown Cultural District.

**Potential Recipient:** Emerson College

**Location:** Boston, MA

**Purpose:** Educational Equipment and Technology Infrastructure Upgrades

**Request:** \$500,000

**Project Description:** These funds are requested to upgrade Emerson's AV production studios with new equipment in order to meet industry standards.

**Potential Recipient:** Emmanuel College

**Location:** Boston, MA

**Purpose:** Center for Science Education Equipment Upgrades

**Request:** \$1,750,000

**Project Description:** These funds are requested to procure educational equipment and technology infrastructure needed to create a Center for Science Education, which would allow Emmanuel College to implement educational outreach programs.

**Potential Recipient:** Endicott College

**Location:** Beverly, MA

**Purpose:** Endicott College Science and Technology Center

**Request:** \$1.5 million

**Project Description:** This funding would provide support for the acquisition of educational equipment including new teaching and research labs equipment used by faculty and students in the new Science and Technology Discovery Center.

**Potential Recipient:** Energy Efficiency and Conservation Block Grant (EECBG) Program at the Department of Energy

**Location:** Nationwide

**Purpose:** Help local officials meet the energy needs of their communities

**Request:** \$3.2 billion

**Project Description:** This funding would support cities and counties as they move forward to implement federally-approved energy efficiency and conservation strategies including updating building codes and inspection procedures, installing renewable energy technology on or in government buildings, replacing traffic signals and street lighting with energy-efficient technology, conducting energy audits and building energy retrofits, advancing smart-growth planning and zoning, and improving air quality by installing technology designed to reduce greenhouse gases and other emissions.

**Potential Recipient:** Energy Information Administration

**Location:** Nationwide

**Purpose:** Energy market data

**Request:** \$145 million

**Project Description:** The Energy Information Administration (EIA) plays a critical role in providing unbiased data to Congress, states, the business community, and the public so they may understand and respond to changes and fluctuations in the energy markets and determine long-term capital investments in energy infrastructure. This funding will help EIA's efforts to collect and analyze this data, which is essential to prepare for and respond to local and regional energy emergencies, track patterns of energy consumption and production and develop effective energy policies.

**Potential Recipient:** en-Gauge Technologies, Inc.

**Location:** Rockland, Massachusetts

**Purpose:** Airport Use of Assistance to Firefighters Grants

**Request:** \$20 million

**Project Description:** The purpose of this request is to increase the President's budget request to the Assistance to Firefighters Grant program, to improve airport terminal safety and security by funding technology that monitors fire extinguishers in airport terminals to ensure that they are in place, functioning correctly and have not been stolen or manipulated.

**Potential Recipient:** Epic Technologies

**Location:** Woburn, MA

**Purpose:** High Density Module Technology

**Request:** \$4 million

**Project Description:** This funding will help develop high density electronics module technology to be used in developing ultra high density and low weight modules for mass memory and processor systems used in a variety of applications, principally satellites.

**Potential Recipient:** Essex County Sheriff's Department

**Location:** Essex County, Massachusetts

**Purpose:** Essex County Sheriff's Department Comprehensive Substance Abuse Education and Treatment Program

**Request:** \$250,000

**Project Description:** This funding is needed to combat the widespread substance abuse of opiates such as Oxycontin and Heroin, especially among teenagers, throughout Essex County, Massachusetts. This program has grown from a pilot program funded by the Office of Juvenile Justice and Delinquency Prevention in FY06 to include seven high schools in Essex County, including three non-traditional schools.

**Potential Recipient:** Essex County Sheriff's Department

**Location:** Middleton, Massachusetts

**Purpose:** Essex County Sheriff Information-Sharing Program, Essex County, MA

**Request:** \$250,000

**Project Description:** This funding will increase the capacity of the Essex County Sheriff's Department (ECSD) to improve the information-sharing capacity of law enforcement/public safety officials throughout Essex County. The information-sharing system will be available to all thirty-four Essex County police departments, the Massachusetts State Police, and any federal agency that wishes to utilize the network.

**Potential Recipient:** Essex National Heritage Area

**Location:** Salem, Massachusetts

**Request:** \$2 million

**Purpose:** for the preservation and enhancement of the historic, cultural and natural resources of the Essex National Heritage Area

**Potential Recipient:** Essex National Heritage Commission

**Location:** Essex County, Massachusetts

**Purpose:** Border to Boston Trail, MA

**Request:** \$1.96 million

**Project Description:** The requested funding would be used to finalize the design of the 28-mile rail-trail and ready the project for construction. This funding would be used to secure rights-of-

way, to prepare designs, to conduct engineering studies of bridges, culverts, and other crossings and to obtain environmental and project permits.

**Potential Recipient:** Eunice Kennedy Shriver Center, University of Massachusetts Medical School

**Location:** Waltham, MA

**Purpose:** Laboratory Renovations and Equipment Upgrades

**Request:** \$1,500,000

**Project Description:** These funds would be used to renovate and update 60,000 square feet of research laboratories. These funds would provide a much needed expansion of the facility that has not been renovated since the 1960s.

**Potential Recipient:** Everybody Wins! DC

**Location:** Washington, DC

**Purpose:** Everybody Wins! DC Power Lunch Youth Mentoring and Reading Program

**Request:** \$500,000

**Project Description:** The requested funding will be used to ensure that more at-risk students in the District of Columbia can participate in the Power Lunch tutoring, mentoring, and reading program that has been a success in Washington, DC since 1995.

**Potential Recipient:** Exchanges with Historic Whaling and Trading Partners programs at the Department of Education

**Location:** New Bedford, MA

**Purpose:** Exchanges with Historic Whaling and Trading Partners

**Request:** \$10 million

**Project Description:** This funding is requested to support programs authorized under No Child Left Behind which build on the cultural linkages established by maritime trade over 150 years ago between communities on the East Coast of the United States and the Pacific Region to improve childhood education. Specifically, ECHO partners use this funding to develop curricula to improve the historical understanding and the language arts skills of participating students, many of whom come from disadvantaged and low-income backgrounds.

**Potential Recipient:** Experience Corps

**Location:** Nationwide

**Purpose:** Senior Citizen Civic Engagement Expansion Program

**Request:** \$10 million

**Project Description:** These funds would be used to expand public service and civic engagement programming activities for senior citizens. Experience Corps has a strong history of developing and administering programs through which senior citizens can make a difference in the lives of their communities and these funds will be used to expand such civic engagement programs nationally.

**Potential Recipient:** Family Violence Prevention and Services Act (FVPSA) and Violence Against Women Act (VAWA) programs at the Department of Justice

**Location:** Nationwide

**Purpose:** Help victims of domestic and sexual violence

**Request:** \$978 million

**Project Description:** This funding will help meet the growing number of victims requesting services during these harsh economic times.

**Potential Recipient:** Fate Therapeutics

**Location:** Boston, MA

**Purpose:** Regenerative Medicine for Traumatic Orthopedic Injury

**Request:** \$2.3 million

**Project Description:** This funding is to advance medical care to soldiers that have sustained severe, traumatic injuries: orthopedic musculoskeletal injuries account for approximately 70 percent of war wounds; fractures account for 26 percent of combat injuries; and 82 percent of all fractures are open fractures.

**Potential Recipient:** Fate Therapeutics

**Location:** Boston, MA

**Purpose:** Research in Regenerative Medical Approaches

**Request:** \$3.8 million

**Project Description:** These funds will be used to advance laboratory research into iPSC technology, which aids in the development of regenerative medicine and therapeutics for diseases.

**Potential Recipient:** Finisar

**Location:** Wilmington, MA

**Purpose:** Low Noise Tunable Laser for Towed Fiber Optic Sensor Systems

**Request:** \$3.5 million

**Project Description:** The purpose of this project is to develop a high power, wavelength tunable high sensitivity data format laser transmitter/receiver in an extremely small Size Weight and Power format. The project will also integrate the tunable transmitter-receiver pair, including channel allocation and reception, into a robust militarized airborne- and space worthy package capable of low power consumption operation under adverse thermal and high G-force battlefield conditions.

**Potential Recipient:** FLIR Systems, Inc

**Location:** North Billerica, MA

**Purpose:** Special Operations Visual Augmentation System Hand Held Imager/Long Range

**Request:** \$9 million

**Project Description:** This project will fill the need, identified by the military for a visual augmentation system for use by special operations forces to provide those forces with the ability to navigate vehicles, conduct surveillance, detect, identify and track threats in all viewing and weather conditions.

**Potential Recipient:** FLIR Systems, Inc

**Location:** North Billerica, MA

**Purpose:** Special Operations High Performance in-line Sniper Scope

**Request:** \$9.2 million

**Project Description:** This funding will provide the military with a High Performance in-line Sniper Scope (HISS) that enables the sniper to scan a target area and identify certain targets that regular Image Intensified (I2) systems would not detect.

**Potential Recipient:** Food Bank Infrastructure Grant program and the Emergency Food Assistance Program (TEFAP)

**Location:** Nationwide

**Purpose:** Support the nation's emergency food assistance system

**Request:** \$115 million

**Project Description:** This funding will help meet the needs of the increasing number of Americans who are struggling to put food on the table.

**Potential Recipient:** Food Safety and Inspection Service

**Location:** Nationwide

**Purpose:** Humane Methods of Slaughter Act (HMSA) enforcement

**Request:** Increase funding

**Project Description:** This funding will help to address shortfalls in the oversight of humane handling rules for animals at slaughter facilities. This oversight is critical not only for animal welfare but also for food safety.

**Potential Recipient:** Forsyth Institute

**Location:** Boston, MA

**Purpose:** ForsythKids School-based Preventative Oral Health Program

**Request:** \$1 million

**Project Description:** These funds would be used to purchase equipment needed to expand the oral health program to four additional Massachusetts communities. It will also enable Forsyth to purchase lab equipment to research the health impacts of the program.

**Potential Recipient:** Forsyth Institute

**Location:** Boston, MA

**Purpose:** Rapid Detection and Diagnosis of "Iraqbacter"

**Request:** \$4 million

**Project Description:** Brandeis University and The Forsyth Institute are requesting funding to enhance existing diagnostic technology to detect a drug-resistant bacterium called "Iraqbacter" that often causes pneumonia, blood poisoning, and/or other maladies and infections in American soldiers who have suffered traumatic injuries as a result of car bombs, roadside bombs, and improvised explosive devices (IEDs).

**Potential Recipient:** Fosta-Tek Optics

**Location:** Leominster, MA

**Purpose:** Lightweight Polymer Designs for Soldier Combat Optics

**Request:** \$3 million

**Project Description:** The primary focus of this program is to develop a sturdy polymer based material that can be used for low-cost, lightweight eyewear and day optics that can withstand the rigors of this difficult climate.

**Potential Recipient:** Foster-Miller, Inc.

**Location:** Waltham, MA

**Purpose:** Advanced Lower Limb Prosthesis for Battlefield Amputees

**Request:** \$5 million

**Project Description:** Foster-Miller would use this funding with oversight from the US Army Medical Research and Materiel Command Telemedicine and Advanced Technology Research Center, to develop a biologically-controlled, powered artificial limb that will restore full motor and sensory capability to lower extremity patients.

**Potential Recipient:** Franciscan Hospital for Children

**Location:** Boston, MA

**Purpose:** Inpatient Psychiatric Unit Renovations

**Request:** \$2.3 million

**Project Description:** These funds would be used to renovate and modernize the Inpatient Psychiatric Unit at Franciscan Hospital for children. These funds will provide an updated facility for improved patient care.

**Potential Recipient:** From the Top

**Location:** Boston, MA

**Purpose:** Youth Education and Outreach Program

**Request:** \$500,000

**Project Description:** These funds would be used to expand From the Top's arts education programs and outreach programs in Massachusetts. These programs utilize peer role modeling to encourage students to engage more deeply with the arts and to develop the passion, discipline and focus to achieve their goals.

**Potential Recipient:** General Dynamic Advanced Information Systems

**Location:** Pittsfield, MA

**Purpose:** Autonomous Vehicle/Sensor Tubular Solid Oxide Fuel Cell

**Request:** \$3.5 million

**Project Description:** The Navy relies heavily on the use of unmanned autonomous vehicles to wage and win wars at sea and in the littorals; however they lack efficient sources of power. This project will develop Solid Oxide Fuel Cell technology to provide energy for unmanned war fighting and information collection.

**Potential Recipient:** George J. Mitchell Scholarship program

**Location:** Nationwide

**Purpose:** Energize America's relationship with Ireland

**Request:** \$500,000

**Project Description:** This scholarship allows Americans to pursue a year of post-graduate study at universities in Ireland and Northern Ireland to promote the exchange of ideas between our countries and strengthen our bilateral relationship.

**Potential Recipient:** Girls Incorporated of Lynn

**Location:** Lynn, Massachusetts

**Purpose:** Phase 2 – 50 High Street Addition to Renovation Project

**Request:** \$500,000

**Project Description:** For 67 years, Girls Inc. of Lynn has responded to the changing needs of young people and our communities by providing essential resources and programs to high-risk, low-income girls and their families. This funding would go to renovate a facility in Lynn so that Girls Incorporated can expand their capacity to serve the community.

**Potential Recipient:** Goodrich ISR Systems

**Location:** Chelmsford, MA

**Purpose:** DB-110 on MQ-9 for New York Air National Guard

**Request:** \$15 million

**Project Description:** This program will procure a DB-110 airborne imagery sensor and its corresponding ground equipment for an Air National Guard unit.

**Potential Recipient:** Gordon College

**Location:** Wenham, MA

**Purpose:** Ken Olsen Science Center Equipment Upgrades

**Request:** \$1.5 million

**Project Description:** These funds will help equip the Ken Olsen Science Center with state-of-the-art instruments and other classroom technology. The Center will provide opportunities for students to further their education in science and mathematics, as well as provide tools to contribute competitive research to the scientific community.

**Potential Recipient:** The Greater Boston Food Bank, Inc.

**Location:** Boston, Massachusetts

**Purpose:** Regional Food Distribution Facility Construction, MA

**Request:** \$1 million

**Project Description:** The requested funding would help build an 117,000 square foot food distribution center to feed the needy people of Eastern Massachusetts. The center would include a dry warehouse, coolers, and a freezer for perishable food as well as community training rooms and offices.

**Potential Recipient:** Great Brook Valley Health Center

**Location:** Worcester, MA

**Purpose:** Facility Improvements to Great Brook Valley Health Center and Framingham Community Health Center

**Request:** \$25,547,000

**Project Description:** This funding would help construct a new facility to house the Framingham Community Health Center's medical and dental departments. It would also be used to undertake renovations to create, equip, and furnish additional clinical space at the Great Brook Valley Health Center's Worcester facility.

**Potential Recipient:** GreenFleet Inc.

**Location:** New Bedford, MA

**Purpose:** Youth Education and Training

**Request:** \$150,000

**Project Description:** This funding would support youth programs to promote job skills



development, educational attainment, self-esteem improvement, and environmental stewardship. GreenFleet's programs use boatbuilding and marine environmental improvement curricula to inspire students to take active roles in their own personal development and in the health of their surrounding environment.

**Potential Recipient:** Green Jobs training program and the Green Jobs Innovation Fund

**Project Location:** Nationwide

**Purpose:** Job training in green industry sectors

**Request:** \$550 million

**Project Description:** This funding will provide educational opportunities in green industry sectors and support innovative green sector partnerships connecting community organizations in underserved communities with the workforce investment system.

**Potential Recipient:** Gynecologic Cancer Education and Awareness Programs at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Women's public health services

**Request:** \$10 million

**Project Description:** This funding will help to educate the public and health care providers about gynecologic cancers. Given the nature of gynecologic cancers and its ability to be detected early, providing more information about these cancers will help save the lives of women.

**Potential Recipient:** Halcyon Center

**Location:** Attleboro, MA

**Purpose:** A Model Program for a Therapeutic Job Club for Persons with Asperger's Syndrome

**Request:** \$738,000

**Project Description:** This funding will be used to develop a therapeutic employment support group for adults with Asperger's Syndrome. The program will combine job skills training with individual and group psychotherapy.

**Potential Recipient:** Hampshire Educational Collaborative

**Location:** Northampton, Massachusetts

**Purpose:** ArtsInFusion

**Request:** \$1 million

**Project Description:** This funding is requested to support the Hampshire Educational Collaborative's ArtsInFusion programs, which over the past three years have shown that arts education can have a very positive effect on the lives of at-risk youth by helping them develop 21<sup>st</sup> Century workforce skills and improving their engagement with academic course content.

**Potential Recipient:** Hancock Shaker Village

**Location:** Hancock, Massachusetts

**Request:** \$750,000

**Purpose:** Improvements to Hancock Shaker Village

**Project Description:** for the renovation of a historic building within the Hancock Shaker Village

**Potential Recipient:** Head Start, Early Head Start programs at the Department of Education

**Location:** Nationwide

**Purpose:** Early education services

**Request:** \$1 billion

**Project Description:** This funding will help meet the growing demand for The Head Start, Early Head Start program, which provides pregnant women, infants, and toddlers with child care, nutrition, health, and early education services through home visits, parent-child activities, and child development centers.

**Potential Recipient:** Health Centers program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Provide health-care delivery system regardless of ability to pay

**Request:** \$2.602 billion

**Project Description:** The Health Center program supports community-run health-care delivery system open to all regardless of ability to pay. This funding will help to meet the increasing demand for community health centers and the primary care services they provide during these difficult economic times.

**Potential Recipient:** Healthy Communities Program and other Centers for Disease Control and Prevention activities

**Location:** Nationwide

**Purpose:** Prevent chronic diseases

**Request:** \$75 million

**Project Description:** The Healthy Communities program collaborates with local and state health departments, national organizations, and community leaders to build capacity at the local level to prevent chronic diseases. This funding will help communities develop and implement policy, systems, and environmental change strategies which, in turn, reduce health-risk factors such as obesity, physical inactivity, poor nutrition, and tobacco use.

**Potential Recipient:** Healthy Start Program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Ensures low-income pregnant women and mothers receive health care

**Request:** \$120 million

**Project Description:** Healthy Start program serves pregnant women and families by providing outreach, home visits, case management, health education, prenatal depression screening, interconceptional care and other effective approaches to ensure the birth of a healthy newborn. This funding will support the existing program sites as well as reach additional qualified areas.

**Potential Recipient:** Henschel

**Location:** Newburyport, MA

**Purpose:** Integrated Advanced Ship Control

**Request:** \$5 million

**Project Description:** The iASC will offer an improvement in ship-wide controls and enable the standardization of a ship control console throughout the Naval Fleet. It will also significantly reduce life-cycle costs associated with the equipment on the bridge.

**Potential Recipient:** High Performance Manufacturing Technology Initiative

**Project Location:** Nationwide

**Purpose:** Strengthen the defense industrial base and support manufacturing and engineering jobs

**Request:** \$30 million

**Project Description:** This funding will help to advance manufacturing technologies that support the defense industrial base, improve the performance of defense systems, and reduce life cycle costs.

**Potential Recipient:** Historic Preservation Fund programs

**Location:** Nationwide

**Purpose:** Protect Historic Resources

**Request:** \$77.675

**Project Description:** This funding will support historic preservation programs which have become primary drivers of economic development in hundreds of communities by revitalizing downtowns and neighborhoods, creating affordable housing, building local property taxes, and generating jobs.

**Potential Recipient:** Hittite Microwave Corporation

**Location:** Chelmsford, MA

**Purpose:** Ultra-Low Phase Noise Microwave Oscillator Technology

**Request:** \$4 million

**Project Description:** This funding will go to research and development efforts for a world-class ultra-low phase noise microwave oscillator product that can further improve US radar system performance. This will enhance the security posture of sensitive DoD programs, by avoiding export control risks inherent in conducting business with off-shore companies.

**Potential Recipient:** The College of the Holy Cross

**Location:** Worcester, MA

**Purpose:** College of the Holy Cross Technology and Educational Enhancement Initiative

**Request:** \$1 million

**Project Description:** This funding will be used to upgrade the College's science building with cutting-edge technology and instrumentation that will expand partnerships between Holy Cross and Worcester's urban school system. Holy Cross spends about \$100,000 a year to support science outreach efforts throughout the Worcester Community and Holy Cross students provide over 124,000 hours of volunteer services annually to area youth.

**Potential Recipient:** The College of the Holy Cross

**Location:** Worcester, Massachusetts

**Purpose:** At Risk Youth Empowerment Initiative

**Request:** \$840,000

**Project Description:** The College of the Holy Cross is committed to investing in the empowerment and development of at-risk youth within the greater Worcester community, particularly those from low income and immigrant households. This funding would go to support Holy Cross' At-Risk Youth Empowerment Initiative that provides programming for at-risk youth with a focus on education, cultural and career opportunities.

**Potential Recipient:** Holyoke Community College

**Location:** Holyoke, Massachusetts

**Purpose:** Downtown Continuing Education Center Development, MA

**Request:** \$380,000

**Project Description:** The proposed project would establish a centralized enrollment center at HCC emphasizing early access to counseling, assessment, and advising.

**Potential Recipient:** Holyoke Medical Center

**Location:** Holyoke, MA

**Purpose:** Holyoke Medical Center Equipment Upgrades

**Request:** \$1 million

**Project Description:** These funds will be used to support the acquisition of digital mammography equipment, which is critical to HMC's mission of providing high-quality health care in a community setting.

**Potential Recipient:** Holyoke Public Library

**Location:** Holyoke

**Purpose:** The Holyoke Public Library Restoration and Expansion Project

**Request:** \$8 million

**Project Description:** This funding is requested for equipment needed to support the restoration of the deteriorating Library facility. The renovated Holyoke Public Library will meet the needs of the community of Holyoke for years to come.

**Potential Recipient:** Horizons for Homeless Children

**Location:** Boston, MA

**Purpose:** Continued Expansion of Horizons for Homeless Children's Youth Programs

**Request:** \$1.5 million

**Project Description:** These funds would be used to expand the capacity of Horizon's three early education and care centers for homeless children. These funds would go to support homeless youth programming and services at sites in Boston, Dorchester, Jamaica Plain and Roxbury.

**Potential Recipient:** Housing Opportunities for Persons with AIDS (HOPWA)

**Location:** Nationwide

**Purpose:** Federal housing program for people with HIV/AIDS

**Request:** Continued/Increased funding

**Project Description:** HOPWA is the only federal housing program that helps cities and states address the housing crisis facing people living with HIV/AIDS. HOPWA offers individuals and their families the stability necessary to benefit from drug treatments that reduce AIDS mortality in this nation. This funding will help the program to grow and accommodate unmet need.

**Potential Recipient:** Incorporated Research Institutions for Seismology

**Location:** Waltham, MA

**Purpose:** Seismic monitoring, research, and educational training

**Request:** \$5.2million

**Purpose:** The US Global Seismographic Network (GSN) is the fundamental national system for seismic monitoring, research, and educational training. The entire network of 150 stations

transmits data in real-time to the US, where the data are openly available to all government, public, and private researchers. This funding is requested to support these efforts.

**Potential Recipient:** Industrial Base Innovation Fund

**Project Location:** Nationwide

**Purpose:** Strengthen the defense industrial base and support manufacturing and engineering jobs

**Request:** \$30 million

**Project Description:** This funding supports the Department of Defense's ability to address specific shortfalls in the defense industrial base to meet short term surge manufacturing requirements.

**Potential Recipient:** Industrial Technologies Program at the Department of Energy

**Location:** Nationwide

**Purpose:** Enhance energy efficiency and productivity of industry

**Request:** \$150 million

**Project Description:** The Industrial Technologies Program (ITP) partners the federal government with industry and the states to fund research, development, and deployment of technology that enhances energy efficiency and productivity. This funding will help efforts to reduce energy costs, reduce greenhouse gas emissions and promote green jobs.

**Potential Recipient:** Integrated Ocean Observing System (IOOS) and the regional ocean observing systems under the National Oceanic and Atmospheric Administration's (NOAA) National Ocean Service

**Location:** Nationwide

**Purpose:** Monitor and manage of our nation's coasts, oceans, and Great Lakes.

**Request:** \$96 million

**Project Description:** IOOS facilitates actions to address a changing climate, contributes to national security, assists in the management of marine resources, helps reduce ocean pollution and improve response efforts, facilitate maritime safety and efficiency, and helps to forecast and mitigate natural hazards. This funding will support IOOS's efforts to detect and document ecological and other shifts and provide communities the detailed information required to understand the risks involved and adapt accordingly.

**Potential Recipient:** International Compliance Systems, Inc

**Location:** New Bedford, MA

**Purpose:** Comprehensive Mishap Reduction System

**Request:** \$5.4 million

**Project Description:** The Comprehensive Mishap Reduction (CMR) System is a web-based information management system that enables military officers at all levels in the chain-of-command to prevent avoidable accidents among personnel under their command.

**Potential Recipient:** International Rett Syndrome Foundation

**Location:** Norwood, MA

**Purpose:** Rett Syndrome Education Database and Research Support

**Request:** \$500,000

**Project Description:** The funding would be used to support Rett Syndrome education,

awareness and outreach efforts for patients, health professionals, and the public. It will also support the integration of databases on Rett Syndrome for families dealing with this debilitating disorder.

**Potential Recipient:** iRobot Corporation

**Location:** Bedford, MA

**Purpose:** Advanced Capabilities for the Battle-Proven PackBot

**Request:** \$4 million

**Project Description:** This funding will help develop enhanced military robots that are now an indispensable part of our military forces, saving the lives of our troops in combat on a daily basis while performing a variety of “dull, dirty, or dangerous” missions. Among the most important of these missions is the disabling of Improvised Explosive Devices (IEDs), commonly known as road-side bombs.

**Potential Recipient:** i-SAFE Inc.

**Location:** Nationwide

**Purpose:** i-SAFE Safe School Education Initiative

**Request:** \$5 million

**Project Description:** The i-SAFE Internet Safety curriculum provides teachers with the framework to teach their students about internet safety including avoiding online predators, e-bullying and identity fraud. This funding will go to expand this program national and in Massachusetts where it is currently being taught to over 225,000 students.

**Potential Recipient:** James Madison Memorial Fellowship Foundation

**Location:** Nationwide

**Purpose:** Expansion of Constitutional History Fellowships for America's School Teachers

**Request:** \$25 million

**Project Description:** This funding will enable the James Madison Memorial Fellowship Foundation program, through which one high school civics teacher from every state is permitted to attend a comprehensive Constitutional History program and receive an educational stipend each year, to double its program size to serve two teachers per state per year.

**Potential Recipient:** Jewish Family and Children's Services of Greater Boston

**Location:** Waltham, MA

**Purpose:** Metropolitan Boston Naturally Occurring Retirement Community Program

**Request:** \$500,000

**Project Description:** This funding will go to expand cost-effective programs to help seniors continue living in their own homes as they grow old. These programs will increase service availability and crisis prevention education, create health promotions for the community, and work towards overall community improvements.

**Potential Recipient:** Jewish Family Services of the North Shore

**Location:** Salem, MA

**Purpose:** North Shore Naturally Occurring Retirement Community Program

**Request:** \$200,000

**Project Description:** These funds would be used to continue project activities, which help older

seniors to continue living in their own homes by providing a comprehensive social service delivery approach in local communities.

**Potential Recipient:** Jewish Family Service of Worcester, Inc.

**Location:** Worcester, MA

**Purpose:** Central Massachusetts Naturally Occurring Retirement Community Program

**Request:** \$300,000

**Project Description:** These funds are requested to support programs that enable senior citizens to age-in-place at their homes through targeted and coordinated services. These programs also create increased capacity for delivery of services in affected communities.

**Potential Recipient:** JFYNetworks

**Location:** Boston, MA

**Purpose:** JFYNetwork's Academic Support for Adequate Yearly Progress

**Request:** \$300,000

**Project Description:** This funding would provide a comprehensive approach to math, science and English language arts instruction. It will supplement and support regular classroom instruction, to improve the scores and prepare underperforming students for higher education opportunities.

**Potential Recipient:** Job Corps program at the Department of Labor

**Location:** Nationwide

**Purpose:** Prepare disadvantaged youth for the workplace or higher education

**Request:** \$1.86 billion

**Project Description:** This funding will be used to help maintain student services at existing Job Corps centers, address critical repairs and renovations at Job Corps facilities, align Job Corps' vocational trades with new U.S. Department of Labor standards and requirements, and expand training for "green" jobs to prepare students for careers in energy efficiency, renewable energy, and environmental protection industries.

**Potential Recipient:** John F. Kennedy Center for the Performing Arts

**Location:** Nationwide

**Purpose:** Arts in Education Programs Authorized under the Elementary and Secondary Education Act

**Request:** \$10 million

**Project Description:** The Arts in Education program authorizes awards to VSA arts, whose programs encourage the involvement of, and foster greater awareness of the need for, arts programs for persons with disabilities and also supports the Center's arts education programs for children.

**Potential Recipient:** John H. Chafee Blackstone River Valley National Heritage Corridor

**Location:** Blackstone River Valley, Massachusetts

**Request:** \$100,000

**Purpose:** Enhance Tourism in the Blackstone River Valley

**Project Description:** for the development and enhancement of the Blackstone River Valley Tourism Collaborative Initiative

**Potential Recipient:** John R. Justice Prosecutors and Defenders Incentive Act loan repayment program at the Department of Justice

**Location:** Nationwide

**Purpose:** Recruit and Retain Prosecutors

**Request:** \$25 million

**Project Description:** The John R. Justice Prosecutors and Defenders Incentive Act loan repayment program is a targeted student loan repayment assistance program that will bolster the ranks of attorneys in the criminal justice system.

**Potential Recipient:** Jumpstart for Young Children, Inc.

**Location:** Boston, MA

**Purpose:** Jumpstart Worcester's Expanded Early Childhood Education Programs

**Request:** \$100,000

**Project Description:** These funds would be used to initiate a program for high-quality early childhood education for low-income preschoolers in Worcester, Massachusetts.

**Potential Recipient:** Katie Brown Educational Program, Inc.

**Location:** Fall River, MA

**Purpose:** Elementary and Secondary School Youth Violence Reduction Initiative

**Request:** \$250,000

**Project Description:** This funding will go to expand programs that work to eliminate youth violence at the elementary and secondary school levels. These funds will support two new specialized educators, a coordinator, and a scholarship fund for 40 teachers to receive training.

**Potential Recipient:** Kollmorgen Electro-Optics

**Location:** Northampton, MA

**Purpose:** 360 Degree Imaging for Submarines

**Request:** \$2.6 million

**Project Description:** This funding will develop additional capability to US Navy submarine periscopes by adding infrared imagery, providing recording capability, and enabling operational deployment at a lower cost across multiple platforms.

**Potential Recipient:** Ksaria

**Location:** Lawrence, MA

**Purpose:** Automated Fiber Optic Manufacturing Initiative

**Request:** \$5.2 million

**Project Description:** This program will address the issue of field installation, field repair, and maintenance by extracting the qualified technologies of the automated manufacturing line and inserting these technologies and processes in small, portable, maintenance equipment that can be used by ship construction and ship's force personnel in the harsh shipboard environment.

**Potential Recipient:** L-1 Identity Solutions

**Location:** Billerica, MA

**Purpose:** Biometric Identity Management Applications Toolset

**Request:** \$3 million



**Project Description:** This request will further the development of stand-off, face and iris recognition-at-a-distance technology for the war-fighter and for the rapid prototyping of a next-generation, portable Biometric Identity Management Applications (BIMA) Toolset.

**Potential Recipient:** L-3 Integrated Optical Systems

**Location:** Wilmington, MA

**Purpose:** Fast Steering Mirror Adjunct for Naval High Energy Laser Weapons

**Request:** \$4.86 million

**Project Description:** The requested funds will result in new manufacturing processes for assembly, alignment, and integration of the Fast Steering Motor components into a single system. This program will improve manufacturing process flow, increase capacity, and reduce cost, allowing for faster delivery of the mirrors to the warfighter.

**Potential Recipient:** Laboure College

**Location:** Dorchester, MA

**Purpose:** Programs to Increase the Number of Doctoral Credentialed Nursing Faculty

**Request:** \$500,000

**Project Description:** This funding will be used to support doctorate education for approximately 17 faculty members at Laboure College. This advanced education will help retain faculty and better prepare future nurses for an increasingly complex profession.

**Potential Recipient:** Lacey Act

**Location:** Nationwide

**Purpose:** Change 60 day patent deadline with respect to patent restorations

**Request:** Language

**Project Description:** Language directing the Secretary of State to make adequate resources available to the Bureau of Oceans and Integrated Environment and Scientific Affairs (OES) for enhanced Lacey Act enforcement and directing OES to work with the U.S. Forest Service International Program.

**Potential Recipient:** Lahey Clinic Medical Center, Inc.

**Location:** Burlington, MA

**Purpose:** Emergency Department and Level II Trauma Center Renovation and Expansion

**Request:** \$3.2 million

**Project Description:** These funds would be used to support the acquisition and installation of an air handling system in the emergency department to protect against airborne diseases. The funds will also be used to enhance security, expand patient treatment areas and create a separate decontamination module.

**Potential Recipient:** Land and Water Conservation Fund (LWCF) and Forest Legacy Program at the National Park Service

**Location:** Nationwide

**Purpose:** Park Protection and recreational development

**Request:** \$575 million

**Project Description:** LWCF has helped to ensure the permanent protection of critical lands in our national forests, recreation areas, parks, wildlife refuges, Civil War battlefields, and historic

sites. Together, the LWCF and Forest Legacy funds have ensured that all Americans have access to lands where they can hunt, fish, play ball, hike, bird watch, paddle a canoe, or ride a bike. This funding will assist efforts to protect critical lands and ensure recreational opportunities for all.

**Potential Recipient:** Lawrence Community Works

**Location:** Lawrence, Massachusetts

**Purpose:** Union Crossing, MA

**Request:** \$1 million

**Project Description:** The Union Crossing project will transform a former textile mill along the Merrimack River into a mixed-use development to include family and workforce housing, commercial space and community facilities. This requested funding would go to construct a new walkway and deck linking the buildings to the adjacent streets that will allow pedestrian and bike access to the Lawrence community.

**Potential Recipient:** Legal Services Corporation

**Location:** Nationwide

**Purpose:** Provide legal services to low-income clients

**Request:** \$435 million

**Project Description:** Legal Services Corporation provides legal services to individuals and families struggling to get by on incomes below or near the poverty line. This funding is critical for closing the “justice gap” and meeting the greater need that exists today because of the economic crisis, which has increased the number of foreclosures, the numbers of the unemployed, and the number of individuals and families who now qualify for federally funded legal aid.

**Potential Recipient:** Town of Leicester

**Location:** Leicester, Massachusetts

**Request:** \$800,000

**Purpose:** Creation of the Town of Leicester Visitor Center

**Project Description:** for the restoration of the Historic Samuel May House Underground Railroad Site

**Potential Recipient:** Lesley University

**Location:** Cambridge, MA

**Purpose:** Lesley University’s Library Modernization

**Request:** \$1,460,000

**Project Description:** These funds would be used to procure equipment to create a state-of-the-art 'information commons' to bring together the technology and expertise necessary to support the information needs of students, faculty and alumni across the country.

**Potential Recipient:** Lesley University

**Location:** Cambridge, MA

**Purpose:** National Center for Teachers and School Leaders

**Request:** \$1.4 million

**Project Description:** These funds would be used to develop the National Center for Teachers and School Leaders Program to respond to the needs of teachers, school districts, and states. The

Center would serve as a national and state education partnership model by helping school districts establish annual, measurable objectives for student achievement.

**Potential Recipient:** Lesley University

**Location:** Cambridge, Massachusetts

**Purpose:** Porter Square Revitalization, MA

**Request:** \$2.5 million

**Project Description:** Lesley University is planning to relocate its art school, the Art Institute of Boston, to Porter Square, Cambridge, continuing the revitalization of the square and encouraging commercial growth.

**Potential Recipient:** Leveraging Educational Assistance Partnership (LEAP) at the Department of Education

**Location:** Nationwide

**Purpose:** Need-based aid for undergraduate and graduate students

**Request:** \$200 million

**Project Description:** LEAP is a federal-state partnership that helps states leverage need-based grant aid for undergraduate and graduate students.

**Potential Recipient:** Lilliputian Systems, Inc

**Location:** Wilmington MA

**Purpose:** Silicon Based Solid Oxide Micro Fuel Cell on a Chip

**Request:** \$7.5 million

**Project Description:** This funding will provide for research and development of a multiple-layer high-power fuel cell chip and system with an electrical and physical interface compatible with the Future Force Warrior requirements.

**Potential Recipient:** Lilliputian Systems, Inc.

**Location:** Wilmington, MA

**Purpose:** Advanced batteries and energy storage

**Request:** \$4 million

**Purpose:** This funding is requested to continue DOE's work with Lilliputian Systems Inc. (LSI), which is developing a revolutionary miniature fuel cell. The company's breakthrough *Fuel Cell on a Chip*<sup>TM</sup> technology enables the only form-factor battery replacement for portable electronic devices that provides an order-of-magnitude run-time improvement over traditional batteries and other energy storage technologies.

**Potential Recipient:** Low Income Home Energy Assistance Program (LIHEAP) at the Department of Energy

**Location:** Nationwide

**Purpose:** Cut energy costs for low-income families, the elderly, and the disabled

**Request:** Maintain LIHEAP funding

**Project Description:** LIHEAP is the only federal program that helps low-income households and seniors with their energy bills. This funding is vital for low income families facing high energy bills during both the cold winter and hot summer.

**Potential Recipient:** Lowell Community Health Center

**Location:** Lowell, MA

**Purpose:** Lowell Community Health Center Expansion and Consolidation

**Request:** \$4 million

**Project Description:** These funds are requested to renovate and expand the health center in Lowell to provide higher quality health care. The Center serves 42,000 low-income people per year, and this project will allow the facility to consolidate all clinical and administrative operations in one location.

**Potential Recipient:** Lowell General Hospital

**Location:** Lowell, MA

**Purpose:** Lowell General Hospital Facility Expansion Project

**Request:** \$2 million

**Project Description:** These funds are requested to build a new facility for Lowell General Hospital to meet the increasing patient and structural demands, improve delivery of care efficiency, and expand patient care areas.

**Potential Recipient:** Lower Pioneer Valley Educational Collaborative

**Location:** West Springfield, MA

**Purpose:** Engineering, Manufacturing, and Technology Training Project

**Request:** \$400,000

**Project Description:** These funds are requested to develop an engineering and manufacturing education program for secondary students in Western Massachusetts.

**Potential Recipient:** City of Lynn

**Location:** Lynn, Massachusetts

**Purpose:** City of Lynn Seaport and Landing Rehabilitation, MA

**Request:** \$1 million

**Project Description:** The requested funding would go towards the construction of expanded public ferry and associated public marina facilities in Lynn, including the repair and replacement of 25 docks, upgrading an antiquated electrical service system and the replacement of gas and diesel pumps.

**Potential Recipient:** City of Lynn

**Location:** Lynn, Massachusetts

**Purpose:** Traffic Study Route 1 and 107, MA

**Request:** \$300,000

**Project Description:** This funding would go to study the proposal to connect Route 1 at Squire Road in Revere to Route 107 going into Lynn and 107 to Lynnway.

**Potential Recipient:** Lynn Community Health Center

**Location:** Lynn, MA

**Purpose:** Construction of a New Health Care Facility

**Request:** \$500,000

**Project Description:** These funds would be used to construct a new facility for the Lynn

Community Health Center in downtown Lynn. This facility would provide critical primary care, dental services, behavioral health, and maternity care for patients.

**Potential Recipient:** M/A-COM, Cobham Defense Systems

**Location:** Lowell, MA

**Purpose:** Multi-Sensor Millimeter Wave Radar System of Systems for Combat Platform Survivability

**Request:** \$4 million

**Project Description:** M/A-COM, Cobham Defense Systems would utilize the requested funds to develop a low-cost, all-weather, commercial off-the-shelf (COTS) millimeter wave (mmW) sensor 'System of Systems' (SoS) that provides platform commanders and drivers greatly enhanced situational awareness and full spectrum electronic warfare operational capabilities.

**Potential Recipient:** MagneMotion Inc.

**Location:** Cambridge, Massachusetts

**Purpose:** Next Generation Maglev Development, MA

**Request:** \$4.25 million

**Project Description:** The requested funding used to further MagneMotion's development of new technology, including the hiring of additional personnel, subcontractors, construction of the test track, and for equipment necessary to build and test the Maglev system.

**Potential Recipient:** Manet Community Health Center, Inc.

**Location:** North Quincy, MA

**Purpose:** North Quincy Community Health Center Building Renovation

**Request:** \$1 million

**Project Description:** These funds will be used to build new primary care patient examination and treatment rooms, new dental operatories, new vision and eye health service rooms and a family practice residency program to address the critical shortage of primary care providers.

**Potential Recipient:** Manufacturing Extension Partnership (MEP) program at the National Institute of Standards and Technology

**Location:** Nationwide

**Purpose:** Help manufacturers improve productivity and compete internationally

**Request:** \$131.8 million

**Project Description:** Working in every state and Puerto Rico, MEP professionals extend objective consultation to thousands of small manufacturers across America to keep America's industrial base competitive and retain high-wage manufacturing jobs. This funding will allow MEP to meet manufacturers' increasing needs during these difficult economic times.

**Potential Recipient:** Marine Biological Labs

**Location:** Woods Hole, Massachusetts

**Purpose:** New England Shellfish Farm Recovery Initiative

**Request:** \$1.5 million

**Project Description:** This funding will go towards developing selectively-bred oysters with enhanced size and disease resistance to meet the growing demand for cultured oysters while preserving New England's coastal waters. Development of these new oyster lines promises to

safeguard employment for thousands of New England shellfish farmers and increase the number of jobs on expanded shellfish farms.

**Potential Recipient:** Mashpee Wampanoag Tribe

**Location:** Mashpee, MA

**Purpose:** Expansion of Health Care Facilities and Medical Equipment Upgrades

**Request:** \$1 million

**Project Description:** This funding is requested to help Mashpee Wampanoag Tribe – the Tribe that met the Pilgrims –expand health care facilities and purchase medical equipment to provide expanded health care services to Tribal members. Specifically, over \$600,000 would be used to support the expansion of health department facilities, and \$400,000 would be dedicated to acquiring new diagnostic equipment and medical information technology systems.

**Potential Recipient:** Mashpee Wampanoag Tribe

**Location:** Mashpee, Massachusetts

**Request:** \$1 million

**Purpose:** for implementation of basic health care services

**Project Description:** This funding is to provide for basic health care services to the members of the Mashpee Wampanoag tribe.

**Potential Recipient:** Mass Rural Water Association

**Location:** Northfield, Massachusetts

**Purpose:** Mass Rural Water Training Facility Construction, MA

**Request:** \$450,000

**Project Description:** This funding would be used to buy or build a facility for technical assistance and formal training of water and wastewater professionals and equipping the facility with modern technical appurtenances that are needed for training.

**Potential Recipient:** Massachusetts 2020

**Location:** Boston, MA

**Purpose:** Massachusetts Expanded Learning Time Initiative

**Request:** \$1 million

**Project Description:** These funds are requested to help Massachusetts 2020 work with school districts and schools to plan and implement the difficult process of redesigning the school day and adding more instructional time to provide a more well-rounded education for all students. These funds would be used for high quality technical assistance in the implementation of this program in over 50 schools across the state.

**Potential Recipient:** Massachusetts Bay Transportation Authority (MBTA)

**Location:** Newton, Massachusetts

**Purpose:** Commonwealth Ave/Green Line MBTA Intermodal Improvements, MA

**Request:** \$3 million

**Project Description:** The Massachusetts Bay Transportation Authority (MBTA) is in the process of completing its program of providing a transit system that is compliant with the Americans with Disabilities Act (ADA). This project includes relocating the exiting station platform and shelter from the City of Newton to the City of Boston and constructing one center

platform in the middle of Commonwealth Avenue near the Lake Street intersection installing a shelter, lighting, tactile edging and pedestrian crossings.

**Potential Recipient:** Massachusetts College of Pharmacy and Health Sciences

**Location:** Boston, MA

**Purpose:** Center for Drug Information and Natural Products

**Request:** \$750,000

**Project Description:** These funds would be used to expand the Center for Drug Information and Natural Products by supporting the acquisition of instructional technology at the Boston Campus.

**Potential Recipient:** Massachusetts College of Pharmacy and Health Sciences

**Location:** Boston, MA

**Purpose:** Health Education and Resource Center

**Request:** \$750,000

**Project Description:** These funds will support the expansion of the medication information and distance learning activities of the Massachusetts College of Pharmacy and Health Sciences' Health Education and Resource Center.

**Potential Recipient:** Massachusetts District Attorneys Association (MDAA)

**Location:** Barnstable, Boston, Brockton, Canton, New Bedford, Northampton, Pittsfield, Salem, Springfield, Woburn, and Worcester, Massachusetts

**Purpose:** MDAA Forensic Audio/Video Processing and Analysis Systems

**Request:** \$250,000

**Project Description:** This funding will be used to purchase forensic audio/video processing and analysis systems for each of the Massachusetts District Attorneys' main offices (11 in total). Currently, the District Attorneys do not have the capacity or the ability to analyze video evidence in a manner that is fully consistent with public safety and homeland security strategies and priorities, or the resources to bridge this technology gap.

**Potential Recipient:** Massachusetts Emergency Management Agency (MEMA)

**Location:** Throughout Massachusetts

**Purpose:** Radio Communications Network Infrastructure for Community Emergency Management Directors

**Request:** \$750,000

**Project Description:** MEMA distributed VHF mobile radio control stations with power supplies to all 351 communities of the Commonwealth in 2004. The current system provides communities' emergency management/response personnel with limited coverage and functionality. The purpose of this project is to create one integrated VHF communications network that will provide statewide coverage on a scalable, interoperable wide-area platform.

**Potential Recipient:** Massachusetts League of Community Health Centers

**Location:** Boston, MA

**Purpose:** Community Health Workforce Training and Development Program

**Request:** \$600,000

**Project Description:** This funding would be used to expand health care workforce development

initiatives focusing on clinical career tracks in nursing and other allied health professions. Massachusetts League of Community Health Centers will work with the East Boston Neighborhood Health Center to further develop this program.

**Potential Recipient:** Massachusetts League of Community Health Centers

**Location:** Boston, MA

**Purpose:** Development of a Community Health Information Association Benchmark Quality Reporting Tool

**Request:** \$580,000

**Project Description:** This funding will be used to expand the availability of a health care reporting system in a secure data warehouse. This will improve the management of patient care and help document quality of care to ensure accountability.

**Potential Recipient:** Massachusetts Manufacturing Extension Partnership

**Location:** Worcester, MA

**Purpose:** New England Mobile Outreach Skills Training Program

**Request:** \$5 million

**Project Description:** This funding will be used to deploy the Mobile Outreach Skills Training Program as an immediate job creation solution. Up to 500 individuals from disadvantaged populations would be trained and placed in newly created vacant jobs as a result of this investment.

**Potential Recipient:** Massachusetts Marine Fisheries Institute

**Location:** Georges Bank, Massachusetts

**Project:** Scallop Fishery Assessment (MFI)

**Request:** \$2 million

**Project Description:** The Massachusetts Marine Fisheries (MFI) Institute needs this funding to continue its important research into the scallop fishery. MFI will focus its research activity on scallops and oceanographic modeling of Georges Bank and the Gulf of Maine. MFI has undertaken a number of research initiatives with exemplary results and findings in this field, which are consistent with Congress' mandate that fisheries develop more comprehensive management approaches to promote resource sustainability.

**Potential Recipient:** Massachusetts Maritime Academy

**Location:** Buzzards Bay, MA

**Purpose:** Hydrokinetic electric power generation

**Request:** \$1.2 million

**Project Description:** Massachusetts Maritime Academy (MMA) is seeking federal funds for the construction of a hydrokinetic electric power system, which would utilize the current flow in the adjacent Cape Cod Canal to produce hydrokinetic electric power.

**Potential Recipient:** Massachusetts Museum of Contemporary Art Foundation, Inc.

**Location:** North Adams, MA

**Purpose:** Berkshire Art, Archive and Digitization Center

**Request:** \$5.5 million

**Project Description:** These funds will support the acquisition of equipment needed for the



Berkshire Art, Archive & Digitization Center. This project will also provide technical and logistical support services such as below-market art digitization and art handling and archival storage for the regional not-for-profit cultural art sector.

**Potential Recipient:** Massachusetts Museum of Contemporary Art Foundation, Inc.

**Location:** North Adams, MA

**Purpose:** Solar energy technologies training center

**Request:** \$3.3 million

**Purpose:** The Massachusetts Museum of Contemporary Art (MASS MoCA) is developing the Mass Moca Solar Center to showcase large-scale, multi-building solar energy technologies. It will serve as a national training center for facility managers of large campuses, building and electrical inspectors, system integrators, policy makers, vocational-technical teachers, equipment manufacturers, specialized installers, and alternative energy entrepreneurs.

**Potential Recipient:** Massachusetts National Guard

**Location:** Camp Edwards, Massachusetts

**Purpose:** Combined Arms Collective Training Facility

**Request:** \$2,712,000

**Project Description:** The Combined Arms Collective Training Facility (CACTF) will replicate an urban environment with buildings, roads, alleys, parking areas, underground sewers, and a command and control building. This resource will be critical to the execution of Massachusetts National Guard pre-mobilization training plans.

**Potential Recipient:** Massachusetts National Guard

**Location:** Otis Air National Guard Base, Massachusetts

**Purpose:** Composite Operations and Training Facility

**Request:** \$12.8 million

**Project Description:** Construct a Composite Operations and Training Facility consisting of a facility to house Operations and Training offices, Installation Control Center, Communications Flight, Intel Group admin offices, and included Wing Physical Fitness center as well as adding approximately 7,600 SF to the existing Distributed Common Ground System facility for the administrative and storage areas. The administrative and storage functions of the Distributed Common Ground System need to be combined with the new facility to meet full operational capability.

**Potential Recipient:** Massachusetts National Guard

**Location:** Barnes Air National Guard Base, Massachusetts

**Purpose:** F-15 Aircraft Ready Shelters

**Request:** \$13.3 million

**Project Description:** Construct adequately sized and properly configured facilities and infrastructure systems to support aircraft maintenance activities of an 18 PAA F-15 aircraft wing. The facility needs to be updated with modern power, fire suppression, and other critical systems needed to properly support F-15 maintenance activities.

**Potential Recipient:** Massachusetts National Guard

**Location:** Hanscom Air Force Base, Massachusetts

**Purpose:** Joint Force Headquarters, Massachusetts Army National Guard

**Request:** \$30,736,000

**Project Description:** This project is required to house all elements of the Joint Force Headquarters, Massachusetts Army National Guard, Headquarters Massachusetts Air National Guard, United States Property and Fiscal Office, and Recruiting and Retention Command.

**Potential Recipient:** Massachusetts Technology Collaborative

**Location:** Charlestown, MA

**Purpose:** Massachusetts Technology Collaborative Renewable Energy Economic Development Center

**Request:** \$5 million

**Project Description:** The requested funds are intended to assist in financing the construction of this new business incubator/renewable energy technology development center. The development of this center is integral to the rapidly growing wind industry and reducing America's dependence on foreign oil.

**Potential Recipient:** MassPort

**Location:** Boston, MA

**Purpose:** Assess and construct infrastructure to support shore power

**Request:** \$3,750,000

**Purpose:** The Massachusetts Port Authority seeks to conduct a feasibility study to assess and construct infrastructure to support the provision of shore power to certain public marine terminals in the Port of Boston. The project will specifically focus on the Conley Container Terminal, the Black Falcon Cruise Terminal/CruisePort Boston and the Boston Fish Pier.

**Potential Recipient:** Materials Systems Inc.

**Location:** Littleton, MA

**Purpose:** Composite Torpedo Homing Array

**Request:** \$3.4 million

**Project Description:** The Navy is upgrading the Mk54 lightweight torpedo sonar homing array to meet the challenges of detecting enemy targets in littoral waters. MSI has completed SBIR and other contracts with the Navy to develop and qualify a more capable and less costly composite homing sonar array for the lightweight torpedo.

**Potential Recipient:** Mattapan Community Health Center

**Location:** Mattapan, MA

**Purpose:** Relocation and Expansion of the Mattapan Community Health Center

**Request:** \$500,000

**Project Description:** This funding will be used to construct a new health care building, which will create 60 permanent jobs. This new facility will enhance the Health Center's ability to deliver health services to the low-income community by providing the physical space needed for existing programs and services.

**Potential Recipient:** McCormack Graduate School of Public Policy, UMass Boston

**Location:** Boston, MA

**Purpose:** Give Us Your Poor: Public Education Campaign to End Homelessness

**Request:** \$500,000

**Project Description:** This funding will be used to conduct national public education initiatives to promote non-partisan, evidence based understanding of the current state of homelessness.

**Potential Recipient:** McKinney-Vento Homeless Assistance Grants

**Location:** Nationwide

**Purpose:** Help reduce homelessness

**Request:** \$2.2 billion

**Project Description:** This funding will enable communities to apply an appropriate mix of interventions to end homelessness, including homelessness prevention activities, emergency shelters, transitional housing, supportive services, and 15,000 new units of permanent housing.

**Potential Recipient:** Mechanology, Inc.

**Location:** Attleboro, MA

**Purpose:** Fuel Logistics Reduction through Enhanced Engine Performance

**Request:** \$3 million

**Project Description:** This program utilizes the waste heat such that electrical generation of a stationary genset can be increased by as much as 10-15% with no additional fuel. This initiative will develop and demonstrate engine heat recovery systems for both stationary and mobile engine applications.

**Potential Recipient:** Mentally III Offender Treatment and Crime Reduction Act (MIOTCRA) programs at the Department of Justice

**Location:** Nationwide

**Purpose:** Help victims of domestic and sexual violence

**Request:** Support authorized funding

**Project Description:** This funding will help provide state and local governments with resources to plan and implement initiatives for people with mental illnesses involved with the criminal justice system in order to increase public safety, reduce state and local spending, and improve the lives of people with mental illnesses and their families.

**Potential Recipient:** Mentoring Children of Prisoners program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Mentoring programs for young people with parents in prison

**Request:** \$50 million

**Project Description:** This funding will support competitive grants to local mentoring programs to help them match children of incarcerated parents with caring adult mentors.

**Potential Recipient:** Mentoring Programs at the Department of Education

**Location:** Nationwide

**Purpose:** Mentoring programs for young people

**Request:** \$50 million

**Project Description:** This funding will support the US Department of Education's Mentoring Programs, which provide competitive, three-year grants to schools and community organizations throughout the country to help them run safe and effective mentoring programs, and increase the number of young people matched with mentors.

**Potential Recipient:** Middlesex Community College

**Location:** Lowell, MA

**Purpose:** The Dental Hygiene Clinic Modernization Project

**Request:** \$900,000

**Project Description:** These funds would be used to modernize the college's dental hygiene clinic, which provides free and low-cost dental services to uninsured seniors and children. The clinic also trains students for careers in the allied health sectors.

**Potential Recipient:** Middlesex Community College

**Location:** Lowell, Massachusetts

**Purpose:** Downtown Historic Building Redevelopment, MA

**Request:** \$750,000

**Project Description:** This funding would be used to conduct an architectural study and design review of the Boston and Maine Railroad Depot, also known as the Rialto building, to accommodate a planned expansion of the college's downtown Lowell academic programs to meet the need of the college's rising enrollments as well as to relocate the college's performing arts and music programs. The study and design will include planning for the inclusion of a needed community space that will be made available to the public.

**Potential Recipient:** MIKEL, Inc.

**Location:** Fall River, MA

**Purpose:** Advanced Tactical Control System

**Request:** \$5 million

**Project Description:** This funding will go to a technology that automatically fuses contact data derived directly from raw acoustic energy measured by sensors with environmental, bathymetric and geographic data to eliminate locations where the contacts cannot be present and therefore determine areas/location of contact density.

**Potential Recipient:** Military Burn Trauma Research Program

**Location:** National

**Purpose:** Advanced research in burn trauma

**Request:** \$8 million

**Project Description:** BORI is a collaboration between the U.S. Army Medical Research, Materiel Command, the United States Army Institute of Surgical Research (USAISR), and the American Burn Association (ABA) – the professional association of all the nation's burn health care professionals and burn centers.

**Potential Recipient:** Minority AIDS Initiative at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Address the health disparities of HIV/AIDS in minority communities

**Request:** \$610 million

**Project Description:** This funding will support programs that address the HIV/AIDS epidemic within minority populations and help eliminate racial and ethnic disparities in health.

**Potential Recipient:** Minute Man National Historical Park

**Location:** Concord, Massachusetts

**Request:** \$2.3 million

**Purpose:** Expansion of the National Historical Park

**Project Description:** for the acquisition of the historic Colonel James Barrett Farm House for the expansion of the National Historical Park

**Potential Recipient:** Multiple Sclerosis Research

**Project Location:** National

**Purpose:** Advanced Research in Multiple Sclerosis

**Request:** \$15 million

**Project Description:** Increasing the Multiple Sclerosis research program with the Congressionally Directed Medical Research Program to \$15 million in the Fiscal Year 2010 Department of Defense Appropriations Act would move us closer to finding a cure for this debilitating disease and would provide hope to all U.S veterans currently living with Multiple Sclerosis.

**Potential Recipient:** My Turn Inc.

**Location:** Fall River, New Bedford, Fitchburg and Leominster, Massachusetts

**Purpose:** America's Youth Teenage Unemployment Reduction Network

**Request:** \$1.5 million

**Project Description:** This funding is requested to support the expansion of programs operated by My Turn Inc, a community-based, private, non-profit youth development agency founded in 1984, which is dedicated to providing school-to-work programs for in-school and out-of-school youth.

**Potential Recipient:** My Turn Inc.

**Location:** Fall River, Massachusetts

**Purpose:** Out-of-School Youth Intervention Program

**Request:** \$500,000

**Project Description:** This funding would be used to support ongoing efforts in Fall River, Massachusetts operated by My Turn Inc. to break the cycle of poverty and provide employment training, education, and social and life skills development programs for at-risk youth. With this funding, My Turn hopes to reach over 170 Fall River youth in the coming year.

**Potential Recipient:** Mullen Communications

**Location:** Wenham, MA

**Purpose:** Joint Advertising Market Research & Studies

**Request:** Support the President's Budget Request

**Project Description:** Joint Advertising, Market Research & Studies (JAMRS) is the Department of Defense's (DoD) corporate-level recruitment marketing and advertising program that complements and bolsters the effectiveness of all the Services' recruiting and retention efforts by educating and informing adult influencers about military service as a career option for their child and by supporting the needs of the Services' recruitment initiatives.

**Potential Recipient:** Museum of Fine Arts, Boston

**Location:** Boston, MA

**Purpose:** The Preserving America's Heritage Project

**Request:** \$1,250,000

**Project Description:** These funds would be used to support the expansion of American art exhibits by helping MFA acquire needed equipment and infrastructure technology systems. This overall expansion project will allow the museum to display thousands of pieces of American art from the Museum's encyclopedic collection, and to treat, restore, and prepare monumental artworks for presentation.

**Potential Recipient:** Museum of Science, Boston

**Location:** Boston, Massachusetts

**Purpose:** Charles Hayden Planetarium Enhancements: Providing Unique Learning Experiences to New England

**Request:** \$750,000

**Project Description:** This funding is requested to help modernize the Charles Hayden Planetarium, the Museum of Science's oldest and best known venue for the public to the cosmos, and how space phenomena such as solar activity, asteroids, comets and supernovae affect life on Earth. Over 50 years, millions of Museum patrons have visited the planetarium and benefitted from the experience, and this funding will help provide for technology upgrades.

**Potential Recipient:** Museum of Science, Boston

**Location:** Boston, MA

**Purpose:** The Engineering of Sustainability Program

**Request:** \$1.2 million

**Project Description:** These funds will be used to develop and install new exhibits, create new programming, and to support media initiatives on engineering and science education.

**Potential Recipient:** Museum of Science, Boston

**Location:** Boston, MA

**Purpose:** School Leadership and Teacher Training in Technology and Engineering Education

**Request:** \$500,000

**Project Description:** These funds will be used to expand leadership and teacher training programs to promote the adoption of best practices in engineering education across Massachusetts.

**Potential Recipient:** Nanobiosym

**Location:** Medford, MA

**Purpose:** Advanced Gene Based Diagnosis of Infectious Diseases

**Request:** \$5 million

**Project Description:** This funding is to develop and test new assays for DNA/RNA detection and diagnosis for critical threats to military health protection, including malaria, bacterial diseases such as Shigella, Enterotoxigenic Escherichia Coli (ETEC), and Campylobacter, and viral diseases like Dengue Fever and Hantavirus.

**Potential Recipient:** Nanobiosym

**Location:** Medford, MA

**Purpose:** New energy research and public education

**Request:** \$10.1million

**Project Description:** The NBS-MOSI ENERGE Project is a partnership between Nanobiosym, Incorporated of Medford, Massachusetts and the Museum of Science and Industry (MOSI) of Tampa, Florida that is dedicated to educating the public and harnessing new energy research to stimulate the global economy.

**Potential Recipient:** Nano-Terra, Inc

**Location:** Cambridge, MA

**Purpose:** Highly Efficient Nanowire Based Anti-Reflective Coatings for Missile Seeker Optics

**Request:** \$1 million

**Project Description:** The purpose of this project is to develop, demonstrate and qualify highly efficient cost-effective anti-reflective coatings that can be applied to diverse surfaces to meet military requirements with a focus on further development of anti-reflective coatings for missile seeker optics.

**Potential Recipient:** Nano-Terra, Inc.

**Location:** Cambridge, MA

**Purpose:** Highly Efficient Nanowire Based Anti-Reflective Coatings for Night Vision Applications

**Request:** \$1.6 million

**Project Description:** Nano-Terra intends to develop, demonstrate and qualify highly efficient cost-effective anti-reflective coatings applicable to diverse surfaces to meet military requirement with a focus on further development of antireflective coatings for infrared windows and lenses.

**Potential Recipient:** Nantucket Memorial Airport

**Location:** Nantucket, Massachusetts

**Purpose:** Nantucket Memorial Airport Replacement Tower, MA

**Request:** \$1 million

**Project Description:** This funding would be used to construct a new air tower at the Nantucket Memorial Airport to better serve and increase safety for the commuters and tourists of Nantucket.

**Potential Recipient:** National Association of Hispanic Nurses

**Location:** Nationwide

**Purpose:** National Association of Hispanic Nurses Mentorship Program

**Request:** \$1.5 million

**Project Description:** The funding will be used to expand the mentorship program that will indentify and enhance Hispanic student's interests in the nursing profession. As part of the program NAHD will also support students from nursing school through the time when they first secure employment.

**Potential Recipient:** National Braille Press

**Location:** Boston, MA

**Purpose:** Affordable Refreshable Braille Note taker for Blind Students

**Request:** \$1,119,000

**Project Description:** This funding will provide support to research, develop and deploy low-cost, refreshable Braille note takers. These products will enhance the learning capability of blind school-aged children, and improve their literacy rates.

**Potential Recipient:** National Cancer Institute

**Location:** Nationwide

**Purpose:** Cancer research

**Request:** \$6 billion

**Project Description:** This funding supports cancer research, which has a positive impact on the fight against cancer and indirectly aids efforts to improve health care quality, efficiency and affordability.

**Potential Recipient:** National Council of La Raza's (NCLR) HOPE Fund

**Location:** Nationwide

**Purpose:** Affordable housing and community revitalization in primarily Hispanic neighborhoods.

**Request:** \$5 million

**Project Description:** This funding will help provide development assistance and financing to a wide range of affordable housing and community revitalization projects in primarily Hispanic neighborhoods, enabling NCLR and the Raza Development Fund (RDF) to continue to improve economic opportunities for low-income Latinos throughout the United States.

**Potential Recipient:** National Estuary Program (NEP) at the Environmental Protection Agency

**Location:** Nationwide

**Purpose:** Improve the quality of nationally-significant estuaries

**Request:** \$35 million

**Project Description:** NEPs have contributed to the ecological and economic health of many of our most important estuaries by restoring or creating 700,000 habitat acres, and maintaining strong partnerships among federal, state, and local governments, the private sector, and community stakeholders. This funding will support efforts to ensure the restoration and protection of our nation's estuaries.

**Potential Recipient:** National Fragile X Public Health Initiative at the Centers for Disease Control and Prevention

**Location:** Nationwide

**Purpose:** Treatment and cure of Fragile X

**Request:** \$2 million

**Project Description:** This funding will enhance Fragile X research and public health activities, because there is currently no effective treatment for this developmental disorder

**Potential Recipient:** National History Day

**Location:** Nationwide

**Purpose:** The National History Day Program

**Request:** \$5 million

**Project Description:** This funding would support National History Day a program that helps



teachers meet high educational standards; disseminates high quality curriculum materials; and sponsors challenging contests that teaches students the critical skills necessary to be effective citizens in the 21<sup>st</sup> Century.

**Potential Recipient:** National Immunization Program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Provide vaccines to eligible children, adolescents, and adults

**Request:** \$802.5 million

**Project Description:** This funding will support state and local health departments in their efforts to vaccinate children, adolescents, and adults. The majority of the programs funds are used for childhood programs, ensuring that children who are not eligible for the Vaccines for Children program or who cannot otherwise afford immunization can be vaccinated.

**Potential Recipient:** National Institute of Food and Agriculture and the Agriculture and Food Research Initiative (AFRI)

**Project Location:** Nationwide

**Purpose:** Food and agriculture research

**Request:** Expand funding

**Project Description:** The funding will enhance support for the research, extension, and higher education programs conducted at America's land-grant universities and related institutions.

**Potential Recipient:** National Park Service

**Project Location:** Nationwide

**Purpose:** Protect our nation parks

**Request:** \$100 million plus inflation

**Project Description:** This funding is essential for the National Park Service to continue to ensure that the national parks are restored to respectable conditions by the agency's centennial year in 2016.

**Potential Recipient:** National Rural Water Association at the Environmental Protection Agency

**Location:** Nationwide

**Purpose:** Source water and ground water protection

**Request:** \$16.8 million

**Project Description:** This funding will support the National Rural Water Association's effort to help rural communities protect their water quality and comply with the Environmental Protection Agency's mandates.

**Potential Recipient:** National Student/Parent Mock Election program at the Department of Education

**Location:** Nationwide

**Purpose:** Engage students and their parents in the electoral process

**Request:** \$275,000

**Project Description:** This funding will help support the National Student/Parent Mock Election program, which engages students and their parents in the electoral process through mock national elections. This program demonstrates the importance of voting, and involves students in each

election cycle, challenging them to learn more about the candidates, their viewpoints, and current policy.

**Potential Recipient:** National Tooling and Machining Foundation

**Location:** Nationwide

**Purpose:** Precision Jobs for American's Manufacturers

**Request:** \$5 million

**Project Description:** These funds would be used to recruit, train, place, and retain highly skilled workers in the metalworking industry.

**Potential Recipient:** National Wildlife Refuge System

**Location:** Nationwide

**Purpose:** Wildlife conservation

**Request:** \$462.8 million

**Project Description:** This funding will assist with the current operations and maintenance backlog and job losses in the National Wildlife Refuge System to keep our long-standing commitment to the national network of wildlife conservation lands.

**Potential Recipient:** National Writing Project at the Department of Education

**Location:** Nationwide

**Purpose:** Improve students writing skills

**Request:** \$30 million

**Project Description:** Through their professional development model, the NWP gives teachers the skills they need to improve student performance in writing. This funding will support this effort to improve students writing skills, which is critical to success in school and the workplace.

**Potential Recipient:** National Writing Project at the Department of Education

**Location:** Nationwide

**Purpose:** Activities Authorized under the Elementary and Secondary Education Act

**Request:** \$25 million

**Project Description:** The National Writing Project (NWP) is a professional development network that serves teachers of writing at all grade levels -- from elementary school through university -- and in all subjects. The mission of the NWP is to improve student achievement by improving the teaching of writing and improving learning in the nation's schools.

**Potential Recipient:** NeuroDyne Medical, Corp

**Location:** Cambridge, MA

**Purpose:** Portable Integrated Physio-Biological Security Sensor

**Request:** \$2 million

**Project Description:** Funding for this research will add a new dimension to the critical requirement of identification and verification at checkpoints for securing military and government facilities against inside threats. The objective of the request is to develop a portable biological and physiological arousal sensor to certain identification technologies.

**Potential Recipient:** City of New Bedford

**Location:** Bristol County, Massachusetts

**Request:** \$2 million

**Purpose:** Bristol County Sewer System Improvements

**Project Description:** for improvements made to Bristol County's sewer overflow system

**Potential Recipient:** City of New Bedford

**Location:** New Bedford, Massachusetts

**Purpose:** Route 18 Reconstruction, MA

**Request:** \$3.1 million

**Project Description:** This funding is needed to complete the reconstruction of Route 18. Route 18 suffers from poor pedestrian connections linking the downtown back to the waterfront, allows automobile use at often unsafe speeds and lacks the physical characteristics that are needed to allow Route 18 to function as a suitable and attractive gateway to the city. This project is under design right now and this \$3.1 million will complete the project.

**Potential Recipient:** New Bedford Police Department

**Location:** New Bedford, Massachusetts

**Purpose:** ShotSpotter Gunshot Location System

**Request:** \$950,000

**Project Description:** This funding would go to the New Bedford Police Department to purchase the ShotSpotter Gunshot Location System (GLS). NBPD believes a GLS could be an essential tool in the City's battle against crime because the system has been shown to be effective in other communities nationwide.

**Potential Recipient:** New Bedford Whaling National Historical Park

**Location:** New Bedford, Massachusetts

**Request:** \$1.5 million

**Purpose:** to support the New Bedford Whaling Museum

**Project Description:** for the restoration of a historic building of the New Bedford Whaling Museum

**Potential Recipient:** New England Aquarium

**Location:** Boston, Massachusetts

**Purpose:** Consortium for Wildlife Bycatch Reduction

**Request:** \$2 million

**Project Description:** This funding would go to study on the causes and nature of wildlife entanglement in fishing gear, which is often referred to as "bycatch," and is considered one of the principal threats to marine biodiversity worldwide.

**Potential Recipient:** New England College of Optometry

**Location:** Boston, MA

**Purpose:** Medical Equipment and Technology Infrastructure Upgrades

**Request:** \$884,000

**Project Description:** These funds will be used to procure equipment to develop an electronic medical record system to improve patient care.

**Potential Recipient:** New England Defense Manufacturing Supply Chain Initiative

**Project Location:** New England

**Purpose:** Assist small and medium manufacturers

**Request:** \$5 million

**Project Description:** The goal of the Initiative is to assist small manufacturers in competition for contract awards for production of machined parts utilizing a newly-developed production system partially-developed with previous appropriation requests. This system will provide the Department of Defense with rapid response capability to meet surge demand of needed parts.

**Potential Recipient:** New England Groundfishery

**Location:** New England

**Purpose:** Assist in the recovery of the New England Groundfishery

**Request:** \$158.5 million

**Project Description:** This funding will support a fishery capacity reduction program; provide job training and transitional assistance to participants in the capacity reduction program; help implement an improved catch verification program; assist the transition to a sector-based management system; and invest in research survey vessel calibrations. This federal assistance is vital for this industry to survive the current economic crisis and the regulatory and management changes taking place for the fishery.

**Potential Recipient:** Nimble Assessment Systems Inc.

**Location:** Newton, MA

**Purpose:** Educational Accessibility Improvements for Students with Special Needs

**Request:** \$2.3 million

**Project Description:** This funding will be used to refine a computer-based system that makes educational tests more accessible for students regardless of their physical disabilities, learning disabilities, or special needs.

**Potential Recipient:** NOAA

**Location:** Nationwide

**Purpose:** NOAA's coastal restoration efforts

**Request:** \$53.3 million

**Project Description:** This funding will support the Estuary Restoration Program, the Community-based Restoration Program, the Open Rivers Initiative, and the Dame Assessment, Remediation, and Restoration Program. These programs help create jobs and stimulate local economies while benefiting fish and wildlife and improving coastal systems.

**Potential Recipient:** NOAA/NMFS

**Location:** Northeast Regional Office, Gloucester, Massachusetts

**Purpose:** New England Groundfish Fishery Recovery

**Request:** \$124,500,000

**Project Description:** This funding is critical to sustaining the New England groundfish fishery which is on the brink of collapse due to the current economic crisis and severe new catch restrictions. Unless assistance is provided to reduce capacity, transition to sector-based management, improve catch monitoring, and strengthen stock survey data, this important and historic industry will continue its decline, with dire economic consequences for thousands of fishing families across New England.

**Potential Recipient:** NOAA/NMFS

**Location:** Northeast Regional Office, Gloucester, Massachusetts

**Purpose:** New England Lobster Trap Buyback

**Request:** \$3 million

**Project Description:** This request is for a buyback program to reduce lobster traps for the lobster fishermen of Area 3, off the shore of New England -- an amount that should remove approximately 30,000 traps from the fishery. NMFS is expected to implement a transferability plan in 2010-2011 which will allow fishermen to sell traps to one another, which should result in a passive reduction of lobster traps, but at a level that the industry believes will be inadequate to achieve a target of 50% reduction of traps in Area 3.

**Potential Recipient:** City of North Adams

**Location:** North Adams, Massachusetts

**Purpose:** Mohawk Theatre Restoration, MA

**Request:** \$4.3 million

**Project Description:** This requested funding would be used to restore a historic building to become the central attraction of a revitalized downtown.

**Potential Recipient:** North American Die Casting Association

**Location:** Worcester, MA

**Purpose:** Fuel efficiency improvements and greater use of alternative fuels in vehicles

**Request:** \$3 million

**Project Description:** HyperCAST research will develop die casting alloy composite matrix materials and processes for high strength light-weight cast components for vehicles (commercial and military) that will result in significant fuel efficiency improvements, greater use of alternative fuels, and a corresponding reduction of carbon emissions.

**Potential Recipient:** North American Wetlands Conservation programs at the Fish and Wildlife Service

**Location:** Nationwide

**Purpose:** Protect, restore, and manage wetlands

**Request:** Fund at authorized amount

**Project Description:** This funding will be used to protect, restore, and manage wetlands and associated habitats for migratory birds and other wildlife.

**Potential Recipient:** North Shore Accelerator (NSA)

**Location:** Beverly, Massachusetts

**Purpose:** Cleantech/Biotech Business Incubator Project, MA

**Request:** \$425,000

**Project Description:** This funding would support the continued development of the North Shore Accelerator, a technology business incubator that promotes innovation, encourages entrepreneurship, and contributes to the economic development of Lynn and Beverly. Funding would be used for a pilot project to help establish and grow small businesses in cleantech and biotech.

**Potential Recipient:** Northeast Coastal Monitoring Collaborative

**Location:** Provincetown, Massachusetts

**Purpose:** Northeast Coastal Monitoring Collaborative

**Request:** \$1,840,000

**Project Description:** This funding is requested to support the work of the Northeast Coastal Monitoring Collaborative, a collection of some of the most dynamic and innovative organizations in New England dedicated to the coastal health of the region. The data and analysis produced by this collaboration will have great utility for many coastal managers by identifying nonpoint pollution sources, areas of focus for environmental action/restoration, and mapping the littoral zone as impacted by sea level rise.

**Potential Recipient:** Northeastern University

**Location:** Boston, MA

**Purpose:** Carbon Nanotube Enhanced Power Sources for Space

**Request:** \$3.3 million

**Project Description:** Northeastern University (NU) and its Massachusetts team have developed expertise in solution phase for coating chemistry, carbon nanotube integration and device fabrication that enables the creation of new power source technologies that are safer, lighter, concealable, and have a much higher performance than any contemporary battery technology. The team is in the process of developing a new class of lithium ion battery technology which incorporates carbon nanotube technology.

**Potential Recipient:** Northeastern University

**Location:** Boston, MA

**Purpose:** Energy Harvesting for Aerospace and Satellite Applications

**Request:** \$3 million

**Project Description:** Northeastern University (NU), and its partners, have demonstrated the feasibility of using nanoparticles and carbon nanotube technology to harness energy using infrared antennas. This program will develop, test, and integrate IR antennas for aerospace and satellite applications.

**Potential Recipient:** North Worcester County Drug Task Force

**Location:** Gardner, Westminster, Fitchburg, Winchendon, Ashburnham, Lunenburg, Leominster, Hubbardston, and Clinton, MA

**Purpose:** North Worcester County Drug Task Force Interoperable Credentialing Crime Scenes and Access Control Project

**Request:** \$800,000

**Project Description:** This funding will support the development of a credentialing system for a consortium of municipal law enforcement agencies that oversees drug-related criminal enforcement and emergency response.

**Potential Recipient:** NOVA Technology Corporation

**Location:** Manchester, MA

**Purpose:** Pelican First Responder Triage Monitor

**Request:** \$2.5 million

**Project Description:** The Pelican First Responder Triage Monitor provides a new, low cost monitoring standard designed to handle the simultaneous point of care monitoring of and triaging multiple casualties. It will improve survival rates through better monitoring, better triage, and an accurate record of each patient's vital signs from first responder initial contact to hospital admission.

**Potential Recipient:** Office of Inspector General

**Location:** Nationwide

**Purpose:** Animal Fighting Enforcement

**Request:** \$87,910,150

**Project Description:** This funding will better enforce the ban on orchestrated dogfights and cockfights that often involve illegal gambling, drug trafficking, and human violence, and can contribute to the spread of costly illnesses such as bird flu.

**Potential Recipient:** Older Americans Act programs at the Administration on Aging

**Location:** Nationwide

**Purpose:** Keep up with inflation and population growth

**Request:** Increase overall funding

**Project Description:** The OAA is the preeminent vehicle that delivers human, social and nutritional services to older persons. This funding will support programs such as Meals on Wheels, congregate meals, senior center services, transportation, protection against elderly abuse, support for family caregivers, and community service employment for low-income seniors.

**Potential Recipient:** Ovarian Cancer Research Program

**Project Location:** Nationwide

**Purpose:** Ovarian cancer research

**Request:** \$30 million

**Project Description:** This funding will support research efforts to improve prevention, early detection, and survival rates from ovarian cancer,

**Potential Recipient:** Parker Hannifin

**Location:** Woburn, Massachusetts

**Purpose:** EMI Shielding Materials for Security Measures in Electronic Passports

**Request:** \$400,000

**Project Description:** This funding would help develop and commercialize a flexible electrically conductive coating that can be integrated into the electronic components in passports.

**Potential Recipient:** Patent term restoration

**Location:**

**Purpose:** Change 60 day patent deadline with respect to patent restorations

**Request:**

**Project Description:** Language requested would change deadline for filing patent restoration applications to allow for flexibility in the case of unintentional late filings.

**Potential Recipient:** Partnership Wild and Scenic Rivers

**Location:** Nationwide; Sudbury, Assabet and Concord Rivers, Taunton River, and Westfield River in Massachusetts

**Purpose:** Protect nationally-significant rivers

**Request:** \$2.746 million

**Project Description:** The Partnership Wild and Scenic Rivers program engages private interests will all levels of government in studying, planning, and managing significant rivers for the benefit of future generations. This funding will help ensure the effective administration of these rivers.

**Potential Recipient:** Passport Systems, Inc.

**Location:** North Billerica, Massachusetts

**Purpose:** New Generation Cargo Container Scanner

**Request:** \$5 million

**Project Description:** This funding will go to develop a non-intrusive inspection system for cargo validation that would give port of entry officials the ability to interdict contraband, enforce tariff and import/export regulations while simultaneously issuing an alert if there are any threats in the container or pallet.

**Potential Recipient:** Patent term restoration

**Location:** Nationwide

**Purpose:** Change 60 day patent deadline with respect to patent restorations

**Request:** Language

**Project Description:** Language requested would change deadline for filing patent restoration applications to allow for flexibility in the case of unintentional late filings.

**Potential Recipient:** Peer Reviewed Prostate Cancer Research Program

**Project Location:** National

**Purpose:** Prostate Cancer Research

**Request:** \$125 million

**Project Description:** Prostate Cancer is the most diagnosed non-skin cancer in the United States and the commonly diagnosed cancer in men. More recently, health experts have noted an increase of prostate cancer among the nation's veterans that were exposed to defoliants. After 8 years of flat funding the program is unable to maintain consistent clinical trial studies and will be unable to bring critical treatments to men and their families to fight this disease.

**Potential Recipient:** Performance Indicator, LLC

**Location:** Lowell, MA

**Purpose:** Next Generation Combat Identification-Identification Friend or Foe

**Request:** \$2.9 million

**Project Description:** With oversight from United States Special Operations Command (SOAL-T), Performance Indicator, LLC of Lowell, MA is developing the next generation of combat identification and IFF with the use of their proprietary technologies.

**Potential Recipient:** Perkins School for the Blind

**Location:** Watertown, MA

**Purpose:** Help for Children Who are Deaf-blind



**Request:** \$225,000

**Project Description:** These funds would provide training and support for teachers and families with the goal of improving the lives of all children who are deaf-blind and creating hopeful futures for them.

**Potential Recipient:** Phoenix House

**Location:** Springfield, Massachusetts

**Purpose:** Phoenix House Drug Treatment Technology Enhancement Initiative

**Request:** \$750,000

**Project Description:** This funding is for the Phoenix House in Springfield, Massachusetts to expand their clinical management system to allow Phoenix House staff to better help transform the lives of those in recovery from drug and alcohol addiction.

**Potential Recipient:** Physical Sciences, Inc.

**Location:** Andover, MA

**Purpose:** Standoff Detection of Explosives and Explosive Devices

**Request:** \$4.2 million

**Project Description:** The funding will create a fieldable system for standoff explosives detection, test that technology in relevant scenarios, and enable its deployment in Afghanistan and Iraq as well as in domestic and international areas where IED threats are extant.

**Potential Recipient:** Pioneer Valley Life Science Institute

**Location:** Springfield, MA

**Purpose:** Equipment and Technology Infrastructure Upgrades

**Request:** \$1 million

**Project Description:** This funding is requested to acquire medical, research, and clinical care equipment needed to support the expansion of the Pioneer Valley Life Science Institute, a life science collaboration between the University of Massachusetts at Amherst and Baystate Medical Center of Springfield, MA. Their collaboration is leading to the development of cutting-edge treatments for diseases such as diabetes.

**Potential Recipient:** Pioneer Valley Planning Commission

**Location:** Springfield, Chicopee, Ludlow and South Hadley, Massachusetts

**Purpose:** Reduce or eliminate sewer overflow

**Request:** \$5 million

**Project Description:** Construction and engineering of projects to directly reduce or eliminate combined sewer overflows to the Connecticut River in the five participating communities

**Potential Recipient:** Pioneer Valley Life Science Institute

**Location:** Springfield, MA

**Purpose:** Support translational research for a host of diseases

**Request:** \$5 million

**Project Description:** The purpose of the Pioneer Valley Life Science Institute Translational Biomedical Research Project is to support groundbreaking translational research being performed at the Pioneer Valley Life Science Institute, which offers great promise for addressing a host of diseases that affect the length and quality of American lives.

**Potential Recipient:** PointCare Technologies

**Location:** Marlborough, MA

**Purpose:** Continued Development of Portable, Durable Testing Equipment for HIV/AIDS and Other Infectious Diseases

**Request:** \$750,000

**Project Description:** These funds will be used to expand deployment of fully mobile CD4 testing and a hematology monitoring system that provides a near-patient diagnostic solution for HIV management at remote and resource limited sites. It will help make an enormous contribution in the President's Emergency Plan for AIDS Relief countries.

**Potential Recipient:** PointCare Technologies Inc

**Location:** Marlborough, MA

**Purpose:** Developing Tools for the Monitoring and Treatment of Malaria and HIV

**Request:** \$1 million

**Project Description:** This program will improve the sensitivity of malaria screening tests.

**Potential Recipient:** PointCare Technologies Inc

**Location:** Marlborough, MA

**Purpose:** Point of Care ARV Management with Viral Load and Toxicity Markers

**Request:** \$2.2 million

**Project Description:** This funding will provide the military with the FDA-cleared fully mobile CD4 testing and hematology monitoring system. It has been deployed in remote locations and is well-suited to low to medium throughput clinics or a mobile facility, typically in resource-limited regions. By creating and deploying these assays, HIV will be able to be detected closer to being contracted and treatment appropriate to the progress of the infection entered into and adjusted as needed.

**Potential Recipient:** Polartec, LLC

**Location:** Lawrence, MA

**Purpose:** Cold Weather Layering System

**Request:** \$7 million

**Project Description:** The Marine Corps has asked for a "capability set" of clothing to facilitate expeditionary operations in mountainous and cold weather environments. The goal is for the CWLS to reduce the weight and volume that a Marine operating as dismounted infantry carries to accomplish combat missions in those conditions.

**Potential Recipient:** Polartec, LLC

**Location:** Lawrence, MA

**Purpose:** Multi-Climate Protection System

**Request:** \$8 million

**Project Description:** Navy and Marine Corps aircrew personnel need an improved protective clothing system. The approved Multi Climate Protection System is a modular ensemble that provides total performance by layering thermal protection and shell garments.

**Potential Recipient:** Practical Solar, Inc.

**Location:** Boston, MA

**Purpose:** Advance renewable energy technology

**Request:** \$500,000

**Purpose:** This funding is sought to help Practical Solar, Inc. to develop the world's first solar product that will compete directly with fossil fuels in mainstream thermal applications. The project will scale up and reduce the cost of Practical Solar's existing product – the world's first hand-installable heliostat system.

**Potential Recipient:** Premium Power Corporation

**Location:** North Reading, MA

**Purpose:** Sustainable Installation Operations

**Request:** \$9 million

**Project Description:** Premium Power will utilize the requested funds to research field validation of large scale Zinc-Flow electrical energy storage with an Intelligent Micro-Grid Inverter (IMGI) to improve the energy security, fossil-fuel consumption and carbon-footprint of our military bases. A successful validation will increase the functionality and operation flexibility of on base micro-grids, significantly advancing the concept of energy sustainable installations and bases.

**Potential Recipient:** Premium Power Corporation

**Location:** North Reading, MA

**Purpose:** Microgrid Energy Storage

**Request:** \$5 million

**Project Description:** This funding would be used to integrate the Premium Power Zinc-Flow regenerative fuel cell technology into current micro-grid systems to evaluate their flow battery for potential replacement to the existing energy storage systems and test various size systems with deployability as a major goal.

**Potential Recipient:** Primera Biosystems

**Location:** Mansfield, MA

**Purpose:** Multiplexed Human Fungal Diagnostic

**Request:** \$4 million

**Project Description:** This project's goal is to evaluate a diagnostic molecular test for its ability to detect and quantify pathogenic fungal load in subjects, thereby decreasing mortality rates, accelerating restoration to function, and reducing the direct costs of care.

**Potential Recipient:** Private philanthropy

**Project Location:** Nationwide

**Purpose:** Protect our nation parks

**Request:** At least \$25 million

**Project Description:** This funding will help leverage private philanthropy in a manner that supplements what Congress can provide to restore our national parks.

**Potential Recipient:** Sex Education programs at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Comprehensive sex education

**Request:** Provide funding for comprehensive sex education

**Project Description:** Leading public health and medical professional organizations stress the need for comprehensive sex education for the prevention of teen pregnancy, HIV/AIDS and other STDs. This funding will provide young people with programs that provide them with the information they need to make important and responsible decisions about their health.

**Potential Recipient:** Prometheus Inc

**Location:** Sharon, MA

**Purpose:** Detection Algorithms and Software for Force Protection

**Request:** \$3 million

**Project Description:** The requested funding will enhance specific sensor performance using digital processing algorithms with no resulting impact on hardware. The trained software for force protection applications such as characterizing IEDs, tripwires and IED triggers, and developing applicable/optimal waveforms for EO Systems will save lives and enable system effectiveness to be dramatically improved without the need for investment in new hardware and the costly life cycle support (spares/maintenance/training) systems that hardware requires.

**Potential Recipient:** Prostate Health Education Network, Inc.

**Location:** Quincy, MA

**Purpose:** Prostate Cancer Educational Awareness Initiative

**Request:** \$2 million

**Project Description:** These funds will be used to organize and implement prostate cancer education and support activities targeting African American men. These activities will create partnerships with leading cancer centers around the country.

**Potential Recipient:** Protonex Technology, LLC

**Location:** Southborough, MA

**Purpose:** Alternative Fuel Portable Power Systems

**Request:** \$4 million

**Project Description:** The requested funds will help continue the development, field testing and pilot deployment of Alternative Fuel Portable Power Systems for the US Army and also cover advanced research and development into the use of bio-fuels, JP8 (military diesel), propane and gasoline for next generation fuel cell power systems.

**Potential Recipient:** Public Housing Capital Fund at the Department of Housing and Urban Development

**Location:** Nationwide

**Purpose:** Provide affordable and safe public housing

**Request:** \$3.5 billion

**Project Description:** The Public Housing Capital Fund finances major repairs and renovations of public housing. Currently, there is a severe backlog of capital repairs to public housing developments, and this funding will help assure that these projects continue in a safe and affordable manner.

**Potential Recipient:** Public Housing Operating Fund at the Department of Housing and Urban Development

**Location:** Nationwide

**Purpose:** Provide affordable and safe public housing

**Request:** \$5.3 billion

**Project Description:** The Public Housing Operating Fund finances operating costs not covered by tenants' rent contributions, which is essential for maintaining affordable, safe, and high-quality apartments to public housing residents. This funding will prevent the disruption of these services and allow these projects to continue operating in a safe and affordable manner.

**Potential Recipient:** Public Radio Satellite System

**Location:** Nationwide

**Purpose:** Relocation and construction of an operations center for PRSS

**Request:** \$27 million

**Project Description:** This funding will be used for the relocation and construction of a more resilient and effective operations center for the PRSS.

**Potential Recipient:** PULMATRIX, INC

**Location:** Lexington, MA

**Purpose:** Novel Aerosol therapy for the treatment and prevention of pandemic and seasonal influenza and other intentionally released or naturally occurring airborne pathogens

**Request:** \$3million

**Project Description:** Pulmatrix is developing a novel inhaled therapy (iCALM) to counter a broad spectrum of viral and bacterial respiratory pathogens that may pose public health or biodefense risks. This funding will go to develop an end product that can treat the infected, protect the uninfected, reduce transmission of infectious agents, and be self-administered to provide 24/7 biosecurity for civilians and military personnel.

**Potential Recipient:** QD Vision

**Location:** Watertown, MA

**Purpose:** NanoCrystal Source Display

**Request:** \$950,000

**Project Description:** This funding is for research with the Army Research Laboratory (ARL) for the continued development of strategically important display technologies utilizing nanocrystals as the emissive source within the display. Applications include design and development of advanced micro helmet mounted displays; tactical infrared displays; and other command and control displays that support combat operations.

**Potential Recipient:** QM Power, Inc

**Location:** Boston, MA

**Purpose:** High Efficiency, High Power Density Alternators for Advanced Military Generators

**Request:** \$2,070,000

**Project Description:** This program will develop a line of high efficiency, high power density alternators for use in current and next generation military generator sets. Reduced fuel consumption, and lower load weight, will result in fewer convoys, with fewer soldiers, sailors and airmen heading into harm's way.

**Potential Recipient:** Qteros, Inc.

**Location:** Springfield, MA

**Purpose:** Demonstration of low-cost ethanol production using non-food feedstock

**Request:** \$2.8 million

**Project Description:** With the funding sought in this bill, Qteros proposes to design and build a pretreatment facility and pilot bio-reactor to demonstrate that a variety of non-food feedstocks can be converted into ethanol, such as woody biomass, corn stover and other local waste products, at lower cost than the conventional two-stage ethanol production process.

**Potential Recipient:** City of Quincy

**Location:** Quincy, Massachusetts

**Purpose:** Quincy Center Urban Renewal District Plan Projects, MA

**Request:** \$50 million

**Project Description:** The requested funds will be used to reinvent the historic downtown Quincy and promote economic development in the area.

**Potential Recipient:** Quinsigamond Community College

**Location:** Worcester, MA

**Purpose:** Quinsigamond Community College Satellite Campus

**Request:** \$1 million

**Project Description:** This funding would be used to develop satellite campuses with proper educational technology infrastructure. These campuses will enhance the educational and regional workforce development efforts in Worcester County.

**Potential Recipient:** Radiation Monitoring Devices

**Location:** Watertown, MA

**Purpose:** New Technology for Detecting Nuclear Weapons Materials

**Request:** \$4 million

**Project Description:** This funding will help continue and accelerate an intensive program to complete development and begin production of a new class of higher quality and more cost efficient nuclear radiation detectors.

**Potential Recipient:** Rape, Abuse & Incest National Network (RAINN)

**Location:** National program

**Purpose:** Hotline services for victims of sexual violence and rape prevention programs

**Request:** \$3 million

**Project Description:** This funding will support RAINN's sexual assault initiatives including their public education and outreach programs, and the National Sexual Assault Online and Telephone Hotline. This funding is critically needed – every 2.5 minutes, another American is sexually assaulted.

**Potential Recipient:** Raytheon Company

**Location:** Tewksbury, MA

**Purpose:** Space Situational Awareness

**Request:** \$6 million

**Project Description:** This investment will develop, integrate and test new multi-mission sensor capabilities on the Missile Defense Agency's X-Band Radar (XBR) deployed on the Sea-Based X-Band (SBX) platform, enabling integration into the SSN and support of the space surveillance and space object characterization mission, thereby filling the gap left by the Haystack radar.

**Potential Recipient:** Raytheon Company

**Location:** El Segundo, CA

**Purpose:** F-15C AESA Radar for Air National Guard

**Request:** \$62.4 million

**Project Description:** This project will upgrade F-15C mechanically scanned array radars to an Active Electronically Scanned (AESA) configuration, providing greater reliability and maintainability, as well as additional capability. Research on the F-15C class will be carried out in their Massachusetts facility.

**Potential Recipient:** Raytheon Integrated Defense Systems

**Location:** Tewksbury, Andover, Sudbury, and Woburn MA

**Purpose:** DDG-1000 Zumwalt-class destroyer

**Request:** Support the President's Budget

**Project Description:** DDG-1000 is a next generation multi mission destroyer. These funds will go towards the construction of the 3rd ship in class, to include, hull and associated mission systems equipment, and software testing and evaluation.

**Potential Recipient:** Reach Out and Read

**Location:** Nationwide

**Purpose:** Promote literacy and language development in infants and young children

**Request:** \$10 million

**Project Description:** The Reach out and Read program promotes early language, literacy and school readiness, filling the crucial gap before children have access to traditional early childhood programs. This funding will help the large number of children who need support and assistance to develop these essential skills before starting kindergarten.

**Potential Recipient:** Reach Out and Read

**Location:** Nationwide

**Purpose:** Activities Authorized under the Elementary and Secondary Education Act

**Request:** \$4,965,000

**Project Description:** Reach Out and Read (ROR) programs make early literacy a standard part of pediatric primary care. Following the ROR model, pediatricians, family physicians and nurses advise parents that reading aloud is the most important thing they can do to help their children love books and to start school ready to learn.

**Potential Recipient:** Reading is Fundamental Inexpensive Book Distribution Program (RIF)

**Location:** Nationwide

**Purpose:** Help children with limited or no access to books and literacy resources

**Request:** \$25 million

**Project Description:** Reading Is Fundamental, Inc. prepares and motivates children to read by delivering free books and literacy resources to those children and families who need them most.

Founded in 1966, RIF is the oldest and largest children's and family nonprofit literacy organization in the United States. Through community volunteers in every state and U.S. territory, RIF provides 4.5 million children with 16 million new, free books and literacy resources each year.

**Potential Recipient:** Ready to Learn programs at the Department of Education

**Location:** Nationwide

**Purpose:** Improve early childhood learning

**Request:** \$32 million

**Project Description:** Ready to Learn harnesses television's universal reach to improve early childhood learning through research-driven programming and content, targeting children ages 2-8 from low-income families. This funding will help Ready to Learn meet the needs of children most lacking reading skills by extending the community engagement and partnership work to increase capacity.

**Potential Recipient:** Ready to Teach programs at the Department of Education

**Location:** Nationwide

**Purpose:** Enhance teacher performance

**Request:** \$17 million

**Project Description:** Ready to Teach funds the development of digital educational services aimed at enhancing teacher performance. This funding will allow more stations to participate in Ready to Teach and help expand the program's library of professional development courses.

**Potential Recipient:** Regional Information Sharing Systems Program (RISS)

**Location:** Nationwide

**Purpose:** Information sharing across law enforcement agencies

**Request:** \$55 million

**Project Description:** RISS facilitates information sharing across law enforcement agencies, increasing inter-agency collaboration, reducing crime, and protecting law enforcement officials. This funding will help RISS to provide information sharing, equipment loans, technical support, and training.

**Potential Recipient:** RemoteReality Corporation

**Location:** Westborough, MA

**Purpose:** RemoteReality SWIR Raven 360 degree sensor

**Request:** \$1.2 million

**Project Description:** This funding will go to advanced video sensors that are being developed to significantly enhance situational awareness for unmanned robotic platforms. These applications require high fidelity video to meet the needs of operators, and the sensors must be compact and rugged enough to support unmanned ground vehicles (UGVs).

**Potential Recipient:** Resolute Marine Energy

**Location:** Watertown, MA

**Purpose:** Wave Power Buoy Control System

**Request:** \$3 million



**Project Description:** The proposed project, with support from the U.S. Navy and in combination with its partners, will develop, test, and deploy a control system that will optimize power output of multiple wave energy converters to supply power into an electrical grid.

**Potential Recipient:** Roca Inc.

**Location:** Chelsea, Massachusetts

**Purpose:** High-Risk Youth Intervention Model (Violence Intervention)

**Request:** \$250,000

**Project Description:** Founded in 1988, Roca is a youth development organization committed to serving the most disenfranchised and disengaged young people ages 14-24 in the communities of Chelsea, Revere, East Boston, and Charlestown, MA. The goal of this funding request is to intervene with 75-100 high-risk area youth, ages 14-24, through their High Risk Youth Intervention Model, reduce recidivism, crime, and promote educational and social achievement.

**Potential Recipient:** Roca Inc.

**Location:** Throughout Massachusetts

**Purpose:** Statewide Transitional Employment Pilot for High-Risk Youth

**Request:** \$500,000

**Project Description:** This funding would go to further deploy the Roca transitional employment model for high-risk youth and young adults across the state. Roca has developed a unique approach to the training of qualified, entry-level employees and reducing youth crime in its existing program area north of Boston, and this funding will be used to expand the reach of Roca's services throughout the state.

**Potential Recipient:** Rolls-Royce Naval Marine Inc

**Location:** Walpole, MA

**Purpose:** LCS-1 Waterjet Spares

**Request:** \$5.3 million

**Project Description:** The Navy lacks spare waterjets for the LCS-1 class ships due to cost overruns in the program. Machining, assembly and test will be supported by this funding.

**Potential Recipient:** Rolls-Royce Naval Marine Inc

**Location:** Walpole, MA

**Purpose:** LSD-49 and LPD-17 Propulsion (CPP System) Spares

**Request:** \$5.16 million

**Project Description:** The Navy lacks sufficient spare CPP Systems for LSD-49 and LPD-17 class ships and none are on order. The LSD-49 class requires one set of propeller hubs (2) and one set of oil distribution boxes (2) and LPD-17 requires one set of propeller hubs, one set of oil dist boxes and one set of propeller blades (10) and this funding will go towards those requirements.

**Potential Recipient:** Rural Community Development Initiative at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Technical assistance and training for rural economic development projects

**Request:** \$12 million

**Project Description:** The Rural Community Development Initiative provides technical assistance and training funds to qualified intermediary organizations to develop their capacity to undertake housing, community facilities, and community and economic development projects in rural areas. This funding will help the program run effectively.

**Potential Recipient:** Rural Development housing programs, Section 515 at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Rural housing assistance

**Request:** \$250 million

**Project Description:** Section 515 plays a critical role in new construction and renovation of existing rental housing units in many of our nation's rural areas. This funding will help meet the need for these services.

**Potential Recipient:** Rural Development housing programs, Section 502 at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Rural credit assistance

**Request:** \$2 million

**Project Description:** Section 502 provides affordable credit to the nation's poorest rural families. This funding will help the program to begin processing the application backlog it currently has.

**Potential Recipient:** Rural Water Circuit Riders at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Support rural drinking water and wastewater systems

**Request:** \$15 million

**Project description:** This funding will support Circuit Riders' efforts to provide the primary assistance to small communities needed to operate safe, clean water systems. Circuit riders are in the field every day helping systems with compliance, operations, maintenance, management, rates and promoting local responsibility of protecting water resources.

**Potential Recipient:** Rural Water Grassroots Source Water Protection at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Support rural drinking water and wastewater systems

**Request:** \$6.1 million

**Project Description:** This funding will support local initiatives that ensure environmentally progressive local land-use decisions. The program provides each state with one full-time person to organize and assist rural communities, farmers, and other land-use interests in the implementation of source water protection plans.

**Potential Recipient:** Ryan White HIV/AIDS Programs at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Domestic HIV/AIDS treatment programs

**Request:** \$2.816 billion

**Project Description:** The Ryan White Program is a comprehensive and cost-effective program designed to meet the needs of those living with HIV/AIDS. This funding will help provide provides life-extending health care, drug treatment, and support services to people with HIV/AIDS.

**Potential Recipient:** City of Salem

**Location:** Salem, Massachusetts

**Purpose:** New Salem Wharf Project/Blaney Street, MA

**Request:** \$20 million

**Project Description:** The requested funding would go towards the construction of a multi-use water transportation facility which would serve a variety of vessels including the Salem Ferry, cruise ships, excursion boats, harbor water taxis, the LNG offshore supply boat and commercial fishing boats.

**Potential Recipient:** City of Salem

**Location:** Salem, Massachusetts

**Request:** \$5 million

**Purpose:** Salem City Hall

**Project Description:** for the renovation of Salem's historic City Hall

**Potential Recipient:** Salem Maritime National Historic Site

**Location:** Salem, Massachusetts

**Request:** \$4,578,000

**Purpose:** Improvements to the Salem Maritime National Historic Site

**Project Description:** for the restoration and rehabilitation of Derby Wharf and Hawkes House

**Potential Recipient:** Salem State College

**Location:** Gloucester, Massachusetts

**Purpose:** Gloucester Mussel Industry Development Project

**Request:** \$499,000

**Project Description:** This project will increase the number of mussel lines off the coast of Gloucester, Massachusetts. The increase in mussel lines will result in year-round employment for local fisherman, who currently ground fish for fewer than 30 days per year.

**Potential Recipient:** Salem State College

**Location:** Salem, MA

**Purpose:** Occupational Therapy Community Outreach and Treatment Program

**Request:** \$277,000

**Project Description:** This funding will be used to purchase equipment for a mobile sensory room unit that will serve as a regional resource to community organizations and medical professionals. Additionally, the mobile laboratory will be used in student coursework, faculty research and service learning projects.

**Potential Recipient:** Satcon Technology Corporation

**Location:** Boston, MA

**Purpose:** Advanced Hybrid Electric Vehicle Technologies for Fuel Efficient Blast Protected Vehicles

**Request:** \$9 million

**Project Description:** These funds will help continue the development, integration, and testing of the Satcon hybrid electric vehicle powertrain, including an in-line motor-generator and onboard/offboard power converters, that will meet/exceed current Joint Light Tactical Vehicle (JLTV) objective electric power requirements.

**Potential Recipient:** Schepens Eye Research Institute

**Location:** Boston, MA

**Purpose:** Military Low Vision Research Program

**Request:** \$7 million

**Project Description:** This funding will support the development of new technologies to protect military personnel from blinding eye trauma, new treatments for eye injuries, and innovative methods to enhance visual performance in combat situations.

**Potential Recipient:** Schepens Eye Research Institute

**Location:** Boston, MA

**Purpose:** Vision and Traumatic Brain Injury Research Center

**Request:** \$3 million

**Project Description:** This funding will go towards the Vision and Traumatic Brain Injury Research Center. The Center grows out of a 9-year research collaboration between Schepens and the Department of Defense through the United States Army Medical Research and Materiel Command (USAMRMC).

**Potential Recipient:** School and Drug Free Schools and Communities (SDFSC) program at the Department of Education

**Location:** Nationwide

**Purpose:** Youth drug and violence prevention

**Request:** \$346.5 million

**Project Description:** SDFSC is the government's primary initiative to prevent drug use and violence in and around schools. This funding will help assure that substance use and abuse rates continue to decline.

**Potential Recipient:** School for Marine Science & Technology (SMAST)

**Location:** New Bedford, Massachusetts

**Purpose:** New England Multi-Species Surveys and Development

**Request:** \$3 million

**Project Description:** These funds are sought to expand and continue the federally supported ambitious research programs of the School for Marine Science and Technology (SMAST) in the areas of fisheries science and oceanography.

**Potential Recipient:** SCHOTT North America, Inc

**Location:** Southbridge, MA

**Purpose:** High Performance Fiber Laser Gain Media

**Request:** \$4 million

**Project Description:** The objective of the High Performance Fiber Laser Gain Media project is to develop high gain fiber laser material, a key enabling technology for the next generation of laser weapons systems. Currently, there is no fiber material available to meet these requirements.

**Potential Recipient:** Scientific Systems Company, Inc

**Location:** Woburn, MA

**Purpose:** ImageNav

**Request:** \$5.2 million

**Project Description:** The objective of this project is to conduct the key developmental phases of ImageNav, a low-cost, software-only technology that enables the Tomahawk Missile and other air vehicles to navigate precisely without the global positioning system (GPS).

**Potential Recipient:** Section 4

**Project Location:** Nationwide

**Purpose:** Community development

**Request:** \$50 million

**Project Description:** Section 4 has provided critical working capital to several of the nation's largest nonprofit community development organizations, including Enterprise Community Partners, Habitat for Humanity International, and the Local Initiatives Support Corporation. These organizations will use this funding to support local community development organizations in approximately urban and rural locations across all country.

**Potential Recipient:** Section 8 Housing Choice Voucher program at the Department of Housing and Urban Development

**Location:** Nationwide

**Purpose:** Rent assistance for low-income families

**Request:** Increase overall funding

**Project Description:** The Section 8 Housing Choice Voucher Program provides rental assistance to low-income families. This funding will be used to help meet the critical affordable rental housing needs of these families who face a heightened risk of homelessness and housing insecurity due to their inability to obtain affordable housing.

**Potential Recipient:** Self Help Housing Program at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Increase minority home ownership

**Request:** \$60 million

**Project Description:** This program is an important element in the Administration's goal of increasing minority home ownership. This funding will be used to renew grants that expire in FY 2008 and FY 2009.

**Potential Recipient:** Self Help Housing Program, Sections 514 and 516 at the Department of Agriculture

**Location:** Nationwide

**Purpose:** Improve housing conditions for migrant and seasonal farm workers

**Request:** \$50 million

**Project Description:** This funding will be used for farm labor housing loans and grants authorized under Sections 514 and 516, which are the only federal programs with the sole purpose of improving housing conditions for the worst housed people in rural America: migrant and seasonal farm workers.

**Potential Recipient:** Semprus BioSciences

**Location:** Cambridge, MA

**Purpose:** Non-Leaching Antimicrobial Surface for Orthopedic Devices

**Request:** \$5 million

**Project Description:** Over half of servicemen wounded overseas sustain orthopedic (arm and leg) trauma, often requiring the use of “fracture fixation devices” to stabilize bone fractions and promote healing. This funding will be used to bring the technology from the lab to large animal testing and then to the battlefield in conjunction with the US Army Institute of Surgical Research.

**Potential Recipient:** Signature Healthcare

**Location:** Brockton, MA

**Purpose:** New Digital Mammography Equipment

**Request:** \$646,800

**Project Description:** These funds are requested to replace the current film mammography system at Signature Healthcare's cross-town ambulatory site with a powerful digital state-of-the-art system. This will allow health care providers to encourage more women to access early screening via annual mammograms.

**Potential Recipient:** Silent Spring Institute

**Location:** Newton, MA

**Purpose:** Continued Development of Cancer Research Programs

**Request:** \$900,000

**Project Description:** These requested funds will go to support research and community education about endocrine disrupting compounds and carcinogens from sources including air and water pollution, building materials, detergents, plastics, pesticides, and cosmetics and their links to some types of cancer. This work will benefit families concerned about the possible health effects of such compounds including breast, prostate, ovarian, and testicular cancers, fertility, and child development.

**Potential Recipient:** Silvio O. Conte National Fish and Wildlife Refuge

**Location:** Sunderland, Massachusetts

**Purpose:** Acquisition of land along the Fort River

**Request:** \$1.4 million

**Project Description:** This funding will be used to acquire land along the Fort River and help protect valuable resources.

**Potential Recipient:** Simmons College

**Location:** Boston, MA

**Purpose:** The Simmons Longitudinal Study on the Influence of Factors on Public Health

**Request:** \$300,000

**Project Description:** These funds are requested to analyze data from a Massachusetts community study of young people ages 5-30, looking at the role of genetic, biological, and environmental influences on health. The results of the study will be disseminated in professional journals, conferences and popular media.

**Potential Recipient:** Simpson College

**Location:** Indianola, IA

**Purpose:** Development of the John C. Culver Public Policy Center

**Request:** \$2 million

**Project Description:** This funding will be used to establish a public service institute on the Simpson College Campus. This Center, The John C. Culver Public Policy Center, will provide a non-partisan forum for the study of public policy and encourage young people to consider engaging in public service.

**Potential Recipient:** Sisters of Providence Health System

**Location:** Springfield, MA

**Purpose:** Mercy Medical Center's Emergency Department Expansion

**Request:** \$500,000

**Project Description:** This funding will be used to renovate and expand the Mercy Medical Center's emergency department to keep up with increased patient flow and demand for its emergency medical services. An expanded emergency area will ease the burden on physicians and staff to ensure quality patient care.

**Potential Recipient:** Sister Cities International

**Location:** Washington, DC

**Purpose:** Strengthening America's Image Program

**Request:** \$3.8 million

**Project Description:** This funding would go to create a program that will increase people to people exchanges through Sister Cities International's (SCI) network.

**Potential Recipient:** Sea Lab/New Bedford Public Schools

**Location:** New Bedford, Massachusetts

**Purpose:** Partnership for Marine Science

**Request:** \$50,000

**Project Description:** Sea Lab/New Bedford Public Schools and the Sea Research Foundation will use the requested funding to dramatically increase the number of students participating in innovative marine science research programs that includes science expeditions being conducted around the world. By exposing them to the research being conducted by marine scientists in and around their hometown, Sea Lab and the New Bedford Public Schools aim to promote a lifelong appreciation and understanding of science among the participating students.

**Potential Recipient:** Soluble Systems LLC

**Location:** Newport News, VA

**Purpose:** Smart Wound Dressing for MRSA-infected Battlefield Wounds

**Request:** \$4 million

**Project Description:** Four of the country's renowned medical institutions are seeking a joint request of \$4,000,000 - \$1M per site at (Beth Israel Deaconess Medical Center at Harvard Medical School (Boston, MA); University of Cincinnati Medical Center (Cincinnati, OH); Johns Hopkins Medical Center (Baltimore, MD); and Eastern Virginia Medical School (Norfolk, VA)) to conduct the advanced clinical research needed for the military to identify the most effective MRSA resistant antibiotics, the proper dosages of these antibiotics and the most efficient sizes and packages of dressings appropriate for the types of wounds experienced in battlefield situations.

**Potential Recipient:** South Shore Tri Town Development Corporation (SSTTDC)

**Location:** South Weymouth, Massachusetts

**Purpose:** East-West Parkway Intermodal Improvements, MA

**Request:** \$10 million

**Project Description:** Funding is needed to support the construction of the East-West Parkway that will bisect the base from Route 18 to Route 3 and build a new on-site intermodal facility. Both would enhance regional transportation needs and continue the redevelopment of the South Weymouth Naval Air Station.

**Potential Recipient:** Southwick Police Department

**Location:** Southwick, Massachusetts

**Purpose:** Southwick Emergency Agencies Enhanced Communication System

**Request:** \$250,000

**Project Description:** The requested funding would support the installation of modern microwave radio technology to be utilized not only by the Southwick Police Department, but also by the fire, emergency management, and public works departments as well as the town's general administrative offices.

**Potential Recipient:** Special Olympics, Massachusetts

**Location:** Marlborough, MA

**Purpose:** Access to Care Project

**Request:** \$298,000

**Project Description:** This funding will permit the acquisition of audio visual equipment for the new Marlborough location. This funding will also assist in expansion of the facility.

**Potential Recipient:** Special Olympics International

**Location:** Nationwide

**Purpose:** Special Olympics' Healthy Athletes Program

**Request:** \$10 million

**Project Description:** These funds are requested to expand the Special Olympics healthy athletes program. This program works to improve access to health care for Special Olympics athletes in order to grow quality sports training and competition programs.

**Potential Recipient:** Special Olympics International

**Location:** Nationwide

**Purpose:** Special Olympics' Project Unify

**Request:** \$7 million



**Project Description:** These funds will be used to educate and inform youth to volunteer and recruit more athletes in order to enhance the quality of the sports experience. This will enable more children and young adults with disabilities to train and compete in the Special Olympics programs.

**Potential Recipient:** Special Olympics International

**Location:** International program

**Purpose:** Special Olympics Worldwide Expansion (Education Program)

**Request:** \$5 million

**Project Description:** This funding will support activities to increase the participation of individuals with intellectual disabilities in Special Olympics outside of the United States, and improve the awareness globally of the abilities and unique contributions that individuals with intellectual disabilities make to society.

**Potential Recipient:** South Berkshire Educational Collaborative

**Location:** Great Barrington, MA

**Purpose:** Berkshire County Educational Enhancement Initiative

**Request:** \$800,000

**Project Description:** These funds would go to forming an educational collaborative to support the instructional and management service needs of the school districts of Berkshire County. The collaborative will focus on the professional development of teachers and administrators, school districts' operational needs, education services, and transportation services for students.

**Potential Recipient:** South Shore Hospital

**Location:** Weymouth, MA

**Purpose:** Digital Mammography Equipment

**Request:** \$1,220,000

**Project Description:** These funds would be used to procure equipment and expand access to digital mammography for the residents of the South Shore.

**Potential Recipient:** SouthCoast Health System

**Location:** New Bedford, MA

**Purpose:** SouthCoast Health System's Radiation Oncology Program

**Request:** \$2 million

**Project Description:** The funding will support the construction of a new state-of-the-art facility with full range of cancer care services including medical oncology, chemotherapy, laboratory services, nutrition counseling, and social services. This center is badly needed in Southeastern Massachusetts because today many area residents must travel more than 50 miles to Boston for cancer care.

**Potential Recipient:** Specialty Materials Inc

**Location:** Lowell, MA

**Purpose:** Magnesium Diboride (MgB<sub>2</sub>) Superconductors for Portable Imaging Applications

**Request:** \$3 million

**Project Description:** For portable MRI imaging, the Department of Defense needs a simple, reliable, and inexpensive superconductor for the MRI magnet that operates at temperatures

compatible with a portable cryocooler. MgB<sub>2</sub>, a medium temperature superconductor (MTS), can fulfill these critical Department of Defense needs.

**Potential Recipient:** Spire Corporation

**Location:** Bedford, MA

**Purpose:** Build and demonstrate a module watt production facility.

**Request:** \$18 million

**Project Demonstration:** Based on work with and research from Tucson Electric Power, Spire is proposing to build and demonstrate a 50MW per year supersized 1000 watt module production facility.

**Potential Recipient:** State Energy Program at the Department of Energy

**Location:** Nationwide

**Purpose:** Energy efficiency and renewable energy projects

**Request:** \$125 million

**Project Description:** This funding will support states to take on a variety of energy efficiency and renewable energy projects – from starting rebate programs to encourage purchasing energy-saving appliances to efficiency improvements of hospitals and schools, to working with utilities and energy service companies to install wind, solar and hydroelectric projects.

**Potential Recipient:** Stellwagen Bank National Marine Sanctuary

**Location:** Scituate, Massachusetts

**Purpose:** Collaboration with Fishing Industry to Collect and Dispose of Marine Debris

**Request:** \$600,000

**Project Description:** The requested funding would support the Stellwagen Bank National Marine Sanctuary's (SBNMS) ongoing program to collect and or recycle marine debris and lost fishing gear. Expanded resources would allow them to achieve a wider cleanup effort with the use of commercial vessels.

**Potential Recipient:** Stone Zoo/Commonwealth Zoological Corporation

**Location:** Massachusetts

**Purpose:** Living Classrooms Initiative

**Request:** \$240,000

**Project Description:** This funding will be used to enhance science and environmental education for grades 1-12 in Massachusetts through collaborations with the Zoos. These science programs are conducted at the Stone Zoo (Stoneham) and Franklin Park Zoo (Dorchester) and in classrooms throughout the Commonwealth of Massachusetts.

**Potential Recipient:** Stop It Now!

**Location:** Northampton, MA

**Project:** Stop It Now Helpline Expansion

**Request:** \$500,000

**Project Description:** Stop It Now! offers free services to help adults who have questions and concerns about sexual abuse of children. The Helpline service was established in 1995 and the demand for its services has tremendously increased -- annual calls are up 160 percent over the past six years. The Online Help Center provides adults with guidance, advice, and resources 24 hours a day, 7 days a week.

**Potential Recipient:** Suffolk University

**Location:** Boston, Massachusetts

**Purpose:** Juvenile Justice Center, Suffolk University Law School

**Request:** \$840,000

**Project Description:** This funding will go to the Juvenile Justice Center at Suffolk University Law School (JJC) to provide legal and support services to Boston's indigent youth and their families.

**Potential Recipient:** Superconducting Systems, Inc

**Location:** Billerica, MA

**Purpose:** Advanced Brush Technology

**Request:** \$6 million

**Project Description:** These funds will be used to advance the brush technology to the current state-of-the-art and modify them for application on shipboard mechanical systems on current Naval fleet assets. The Navy needs this technology to improve the capability and performance of the brushes and have them modified to provide the efficient and reliable brush operations on ship pumps, motors and bearings.

**Potential Recipient:** SurIDx, Inc.

**Location:** Company located in Wellesley, Massachusetts. Project to be executed in the National Capitol Region

**Purpose:** First Responder Resume Project

**Request:** \$400,000

**Project Description:** The funds will be used to finalize the design of a state-of-the-art secure credentialing system that will allow first responders to gain appropriate access during national emergencies, and install and maintain the system.

**Potential Recipient:** Surmet Corporation

**Location:** Burlington, MA

**Purpose:** ALON and Spinel Optical Ceramics

**Request:** \$9.85 million

**Project Description:** This program will create an integrated, domestic manufacturing capability to produce Aluminum Oxy-Nitride (ALON) and Spinel Optical Ceramic components in large quantities and sizes at affordable prices. These materials will impact major defense acquisition programs such as the Small Diameter Bomb II (SDB-II), Joint Air to Ground Missile (JAGM), Joint Strike Fighter (JSF), and C-17.

**Potential Recipient:** Swift River Hydro Operations Company (SRHOCO)

**Location:** Pepperell, MA

**Purpose:** Replace a historic operating hydro system

**Request:** \$1.5 million

**Project Description:** The purpose of the Pepperell Hydro Penstock Project is to replace a wood stave penstock at Pepperell Hydro, an historic operating hydro station built in 1918, to bring its capacity back to 1,920 kW.

**Potential Recipient:** T2 Biosystems

**Location:** Cambridge, MA

**Purpose:** Water quality monitoring

**Request:** \$2.5 million

**Project Description:** This funding will be used for the rapid detection of contaminants in water supplies using magnetic resonance and nanoparticles.

**Potential Recipient:** City of Taunton

**Location:** Taunton, Massachusetts

**Purpose:** Low-Income Senior Center Safety Improvements, MA

**Request:** \$200,000

**Project Description:** This requested funding would be used to reconfigure and expand the parking lot to improve elder/disabled safety and access to the services offered by the Council on Aging and to install pedestrian safety features throughout the facility. It would also support the purchase of new heating and air conditioning systems.

**Potential Recipient:** Teach for America

**Location:** Nationwide

**Purpose:** Place dedicated individuals in America's neediest communities to teach

**Request:** \$25 million

**Project Description:** Teach for America places talented and dedicated young individuals in America's neediest communities to teach. These funds will enable this national service organization to continue on its path to achieving a nationwide collective impact of approximately 8,200 corps members serving approximately 37 urban and rural communities around the country, positively affecting nearly 550,000 economically disadvantaged students in grades preK-12.

**Potential Recipient:** TelAztec, LLC

**Location:** Burlington, MA

**Purpose:** Nanostructures For Missile Defense Agency Applications

**Request:** \$2 million

**Project Description:** This program is working to develop a new type of high performance "AR treatment" and "Optical Filtering" utilizing nanostructures for MDA applications promising increased sensor efficiency, high yield manufacturing, and increased lifetime in high radiation environments.

**Potential Recipient:** Thermo Fisher Scientific

**Location:** Billerica and Waltham, Massachusetts

**Purpose:** Port of Entry Lead Toy Screening Project

**Request:** \$3 million

**Project Description:** This funding is requested to provide the Consumer Product Safety Commission (CPSC) with the tools needed to test for lead in paint and in plastics – at the Port of Entry in the United States, on store shelves, and in laboratory settings. Specifically, it will be used by CPSC to acquire "X-Ray Fluorescence" technology systems, which is a quick and portable technology that has been recognized by CPSC.

**Potential Recipient:** Thermo Fisher Scientific

**Location:** Billerica, MA

**Purpose:** Tactical Metal Fabrication

**Request:** \$4.8 million

**Project Description:** The Tactical Metal Fabrication (TacFab) System will cut the time required to produce parts by 90%, providing spare and replacement parts to our Warfighters in theater, and also as a stand-alone metal casting resource provided to domestic organic Army depots and industrial facilities, supporting RESET activities.

**Potential Recipient:** Title VII health professionals program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Financial support for health care workforce development and education

**Request:** \$330 million

**Project Description:** Title VII health professionals program provides direct financial support for health care workforce development and education.

**Potential Recipient:** Title X national family planning program at the Department of Health and Human Services

**Location:** Nationwide

**Purpose:** Family planning and public health

**Request:** \$700 million

**Project Description:** Title X provides high-quality family planning services and other preventive health care to women who otherwise could not afford and likely would not get these services, contraceptives, and supplies. This funding will help Title X clinics meet the growing demand for care and provide quality preventive services.

**Potential Recipient:** Tourette Syndrome (TS) Public Health Education and Research Program

**Location:** Nationwide

**Purpose:** Improve diagnoses, understanding, and treatment of Tourette Syndrome

**Request:** \$2 million

**Project Description:** This funding will help support the Tourette Syndrome Public Health Education and Research Program, which works to increase recognition and diagnoses of TS, decrease the stigma attached to the disorder, and facilitate appropriate and effective treatments.

**Potential Recipient:** TPR Media

**Location:** Jamaica Plain, MA

**Purpose:** Electronic Patient Communication Services

**Request:** \$1.5 million

**Project Description:** The MHS Electronic Patient Communication Service offers a robust set of communication tools that make it possible for care providers and patients to communicate efficiently, frequently, and economically. The capacity for an electronic communication service may help with both retention and readiness of our servicemen and women.

**Potential Recipient:** Tribally Controlled Postsecondary Vocational Institutions

**Location:** Nationwide

**Purpose:** Programs Authorized Under the Carl Perkins Career and Technical Education Act

**Request:** \$10 million

**Project Description:** These funds are requested to ensure that vocational training needed to promote job skill development, job placement, and career advancement among Native Americans remains funded in the current federal year.

**Potential Recipient:** Triton Systems, Inc.

**Location:** Chelmsford, MA

**Purpose:** Moldable Ceramic Composite for Tactical Vehicle Protection

**Request:** \$2 million

**Project Description:** Micro Abrasives and TSI, using their respective expertise in advanced ceramics and ballistic protection technology, will collaborate to adapt basic concept designs to conformal armor applications, as well as next generation armor repair methods for heavier combat vehicles and more severe threats.

**Potential Recipient:** Triton Systems, Inc.

**Location:** Chelmsford, MA

**Purpose:** Fire and Blast Resistant Materials for Force Protection

**Request:** \$3.4 million

**Project Description:** Triton has developed and tested an additive, which, when combined with polyurea, provides a protective composition that is not only fire and blast resistant, but also affordable and easy to apply. Additional funding is required to resolve issues with materials optimization, scale up, characterization, and demonstration.

**Potential Recipient:** Triton Systems, Inc.

**Location:** Chelmsford, MA

**Purpose:** Coatings for Protection Against Bio-Threats

**Request:** \$3 million

**Project Description:** This funding will produce novel bioactive coatings to combat bio-terrorism. These advanced bioactive materials will help safeguard the health and welfare of the warfighter, first responders, and other U.S. citizens.

**Potential Recipient:** Trophos Energy, Inc

**Location:** Somerville, MA

**Purpose:** Microbial Fuel Cells for Remote Sensing Power Sources

**Request:** \$2.5 million

**Project Description:** Trophos Energy is developing long-term energy sources based on microbial fuel cell (MFC) technology for remote, low-power applications such as environmental and security sensor networks. Reliable, autonomous, passive bio-energy scavenging sources using microbial fuel cells are critically needed for remote power, aquatic security, undersea environmental monitoring and homeland security applications.

**Potential Recipient:** Tufts University

**Location:** Boston, Massachusetts

**Purpose:** Jean Mayer Human Nutrition Research Center on Aging (HNRCA)

**Request:** \$600,000/increase in baseline funding of \$12.37 million

**Project Description:** HNRCA is a USDA research facility operated in conjunction with Tufts

University that is dedicated to improving human nutrition science. These funds are needed to prevent research cutbacks which could otherwise occur because federal operating and research support for HNRCA has not kept pace with inflation for many years.

**Potential Recipient:** UMass Memorial Health Care

**Location:** Worcester, MA

**Purpose:** Health Information Technology Upgrades at UMass Memorial Health Care

**Request:** \$2 million

**Project Description:** This funding request would support the installation of an ambulatory electronic medical records system to improve patient care delivery and overall medical error reduction. This system is necessary to ensure compliance with the Health Insurance Portability and Accountability Act of 1996.

**Potential Recipient:** United States Department of Agriculture Loan and Grant Fund

**Location:** Nationwide

**Purpose:** Support rural drinking water and wastewater systems

**Request:** \$650 million

**Project Description:** This funding will support the USDA water loans and grants which rural communities rely on to construct water and wastewater infrastructure at reasonable rates and terms. Without this assistance, many could not construct new systems, expand existing ones, or comply with mandates.

**Potential Recipient:** United Teen Equality Center (UTEC)

**Location:** Lowell, Massachusetts

**Purpose:** UTEC New Youth Center Building Project, MA

**Request:** \$1 million

**Project Description:** Funding is requested to provide a new, green addition to UTEC's current youth center to allow for increased support and services to over 17,000 youth living in Lowell.

**Potential Recipient:** University of Massachusetts – Amherst

**Location:** Amherst, Massachusetts

**Purpose:** Bioactive Foods Research for Health and Food Safety

**Request:** \$525,000

**Project Description:** This funding will help create the Research Center for Health and Wellness for the discovery, characterization and utilization of bioactive compounds in food specifically designed to promote health, wellness and food safety.

**Potential Recipient:** University of Massachusetts - Amherst

**Location:** Amherst, Massachusetts

**Purpose:** Large Millimeter Telescope (LMT)

**Request:** \$1.2 million

**Project Description:** University of Massachusetts-Amherst (UMASS) is participating in a major scientific initiative to build the world's largest millimeter-wave radio telescope with an international partner (Mexico). The Mexican Government is providing most of the funding for the telescope, the requested funds would pay for salaries at UMASS to provide the technical and scientific expertise.

**Potential Recipient:** University of Massachusetts - Amherst

**Location:** Amherst, Massachusetts

**Purpose:** UMASS – Amherst Ecological Conservation Initiative

**Request:** \$468,722

**Project Description:** This project will develop software tools and mapping approaches to help town managers and residents prioritize strategic parcels of land in their towns for protection and conservation. With much of Massachusetts remaining undeveloped priority land under mounting development pressure, these funds are critical to preserve local ecosystems.

**Potential Recipient:** University of Massachusetts - Amherst

**Location:** Amherst, Massachusetts

**Purpose:** Campus Vehicular and Pedestrian Circulation Improvements, MA

**Request:** \$13.3 million

**Project Description:** Following a comprehensive study of vehicular and pedestrian patterns at the UMASS – Amherst Campus, transportation funding is needed to more safely and efficiently manage the flow of vehicles and pedestrians along the North Pleasant Street corridor.

**Potential Recipient:** University of Massachusetts - Amherst

**Location:** Amherst, Massachusetts

**Purpose:** Integrated Payment Systems for Transportation: Security, Privacy, and Mobility, MA

**Request:** \$1,795,600

**Project Description:** This project will explore security, privacy and mobility issues of integrated payment systems in public transportation systems including trains, subways, buses, and commuter ferries as well as toll collection for roads, bridges, and tunnels, and payment for parking. This funding will go to study integrated payment systems and how to increase the security and privacy of said systems.

**Potential Recipient:** University of Massachusetts- Amherst

**Location:** Amherst, MA

**Purpose:** Research to design a transition to a clean-energy economy

**Request:** \$240,000

**Project Description:** With DOE support, UMASS has been conducting research to design a transition to a clean-energy economy to create the optimum number of quality domestic jobs through green investments in conservation and renewable energy.

**Potential Recipient:** University of Massachusetts-Amherst

**Location:** Amherst, Massachusetts

**Request:** \$2 million

**Purpose:** Sustainable Water Institute

**Project Description:** to the create a Sustainable Water Institute at the University of Massachusetts, Amherst in order to foster integrated science, technology and public policy initiatives to ensure sustainable water supplies

**Potential Recipient:** UMASS-Boston

**Location:** Boston, MA



**Purpose:** Research on the development and sustainability of marine ecosystems

**Request:** \$1 million

**Project Description:** For the past several years, UMASS-Boston researchers have been conducting path-breaking work into the development and sustainability of marine systems, with a particular focus on the process of photosynthesis and exploring the possibility of biologically based renewable energy generation capability in the sea.

**Potential Recipient:** UMASS Medical School

**Location:** Worcester, MA

**Purpose:** RNAi research

**Request:** \$2 million

**Project Description:** UMASS Medical School is seeking funding to support research associated with RNAi (RNA interference), a mechanism that inhibits gene expression at the stage of translation or by hindering the transcription of specific genes. RNAi has become a premier research tool across the entire range of biological fields, based on its specificity and potency in silencing gene expression in both primary and cultured cell systems.

**Potential Recipient:** University of Massachusetts-Boston

**Location:** Boston, MA

**Purpose:** Center for Urban Health Disparities

**Request:** \$1,870,000

**Project Description:** These funds would be used to launch an interdisciplinary research center to facilitate a comprehensive approach to health care reform and to addressing health disparities. This work will address issues such as health care delivery, access and quality care, and health disparities based on race, ethnicity, gender, class and age.

**Potential Recipient:** University of Massachusetts-Boston

**Location:** Boston, MA

**Purpose:** Developmental Sciences Research Center

**Request:** \$1,600,000

**Project Description:** These funds would be used to procure equipment and technology to support the launch of the Developmental Sciences Research Center with an initial research project focused on translational research on investigating stress, trauma, and abuse. The Center will also address issues such as autism, brain development, learning and memory, and mental health disparities.

**Potential Recipient:** University of Massachusetts-Boston

**Location:** Boston, MA

**Purpose:** UMass GoKids Initiative to Support the Expansion of Health and Physical Activity Programs for At-risk Youth

**Request:** \$1 million

**Project Description:** These funds would be used to provide participants, primarily adolescents ages 8-18, with personalized instruction and support to become more physically active, improve fitness, and gain self-confidence. These funds will also be used by UMASS-Boston staff for equipment, staffing, and health professional training to operate programs.

**Potential Recipient:** University of Massachusetts – Dartmouth

**Location:** Southeastern Massachusetts

**Purpose:** Cranberry/Blueberry Pest Control, MA

**Request:** \$160,000

**Project Description:** The requested funds will allow scientists at the University of Massachusetts to assist cranberry farmers in increasing productivity while effectively controlling pests in a more environmentally sensitive manner.

**Potential Recipient:** University of Massachusetts Lowell

**Location:** Lowell, MA

**Purpose:** Combat Ration Supplements for Improved Physical and Cognitive Performance Using Nanodelivery Systems to Improve Bioavailability

**Request:** \$2 million

**Project Description:** The objective of this research is to develop the next generation of military foods and beverages to provide the warfighter with rations containing natural, safe and effective nutraceutical extracts.

**Potential Recipient:** University of Massachusetts - Lowell

**Location:** Lowell, MA

**Purpose:** Nanomanufacturing of Multifunctional Sensors

**Request:** \$5 million

**Project Description:** This funding will help develop a suite of multifunctional sensors with high sensitivity and selectivity that ultimately will be integrated into single compact systems for the warfighter.

**Potential Recipient:** University of Massachusetts-Lowell

**Location:** Lowell, MA

**Purpose:** UMass Lowell Cooperative Education Program

**Request:** \$1,200,000

**Project Description:** The requested funding will be used to establish a cooperative education program at the University of Massachusetts Lowell for both the undergraduate and graduate level in areas that are vital to economic development. The funding would permit the school to hire 6 Coop professionals. In addition, this funding would provide Coop stipends for students to work in start-up firms, which will allow students to learn in entrepreneurial environments as well as assisting in the development of start-ups.

**Potential Recipient:** University of Massachusetts Medical School

**Location:** Worcester, Massachusetts

**Purpose:** University of Massachusetts Medical School's Albert "Albie" Sherman Center Project

**Request:** \$5 million

**Project Description:** UMMS is embarking on a campus-wide initiative to translate pioneering basic science discoveries into innovative therapeutics and treatments that can serve hospital patients. This funding is requested to help expand UMASS' facilities to conduct this innovative translational research, which will take place at the UMASS Advanced Therapeutics Cluster (UMATC).

**Potential Recipient:** University Laboratory Consortium for Biodefense and Pandemic Preparedness

**Location:** 13 sites across the country including the Cummings School of Tufts University, located in Grafton, MA

**Purpose:** Regional Biocontainment Laboratory Surge Capacity Preparedness

**Request:** \$24 million

**Project Description:** The requested funding would be used to support the activities of the nation's Regional Biocontainment Laboratories (RBLs) to provide DHS with the surge capacity it needs to respond to a biological attack or outbreak of an infectious disease.

**Potential Recipient:** University Sustainability Programs

**Location:** Nationwide

**Purpose:** Sustainability programs and practices in higher education institutions

**Request:** \$50 million

**Project Description:** This funding will be used to help higher education institutions develop, implement and evaluate sustainability programs and practices. As population growth, urban development and extreme weather incidents place greater stress on ecosystems around the globe, the need for developing innovative and successful practices is critical to sustaining our economic competitiveness, environmental health and strong communities.

**Potential Recipient:** Urban league of Eastern MA

**Location:** Boston, MA

**Purpose:** Urban League of Eastern Massachusetts Economic Development Center Expansion

**Request:** \$2 million

**Project Description:** The requested funds are intended to assist in financing the construction activities associated with the growth of an Urban League owned facility in Boston, MA. This additional space will accommodate the expansion of job training programs in Greater Boston's most distressed communities, where opportunities for economic advancement have been further dampened by the current economic crisis.

**Potential Recipient:** U.S. Genomics, Inc.

**Location:** Woburn, MA

**Purpose:** Development of Infectious Disease Detection Equipment

**Request:** \$26 million

**Project Description:** These funds would be used to develop technology to detect and identify a range of infectious organisms in a single comprehensive test. By reducing the cost and improving the efficiency of testing, the health care industry could cut costs and improve early diagnosis of diseases.

**Potential Recipient:** USACE – The Nature Conservancy, Massachusetts Chapter

**Location:** Northampton, MA

**Purpose:** Water management

**Request:** \$450,000

**Project Description:** The U.S. Army Corps of Engineers owns and operates 14 flood control dams in the Connecticut River Basin. The Connecticut River Watershed study will analyze the

operation of each dam to determine if it is possible to manage these dams for environmental benefits while maintaining important human uses.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Flood control and environmental restoration

**Request:** \$10 million

**Project Description:** The Muddy River Project is a WRDA Authorized flood control and environmental restoration project that is needed to remove sediment that has made Boston's Back Bay Fens a flood control hazard in recent decades. A flood there in 1996 caused tens of millions of damages to the City of Boston.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Restore the ecological health of Milford Pond

**Request:** \$500,000

**Project Description:** The purpose of this project is to restore Milford Pond to ecological health after decades of heavy sedimentation that have made the pond a "dead pond" with heavy algae and low oxygenation levels. The total cost of this project is \$3.6 million.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Flood control

**Request:** \$195,000

**Project Description:** The purpose of this project is to devise mitigation measures to prevent the flooding that has occurred more than 10 times in the last fifty years in downtown Peabody and which has caused tens of millions in damages. The requested funds are expected to be used to complete the design phase of this project.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Maintenance dredging of Boston Harbor

**Request:** \$10 million

**Project Description:** The purpose of this project is to continue maintenance dredging of Boston Harbor, which is badly needed to prevent continued siltation and promote trade.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Remove siltation from federally maintained navigation channels

**Request:** \$1 million

**Project Description:** The purpose of this project is to remove siltation from the federally maintained navigation channels at Woods Hole, Massachusetts which currently poses a safety risk to mariners and which prevents the berthing of a federal research vessel badly needed to conduct cutting-edge ocean and fisheries management science.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Dredging to restore entrance channel

**Request:** \$900,000

**Project Description:** This federal maintenance dredging project is needed to restore the entrance channel to its congressionally-authorized dimensions. The project entails the removal of about 130,000 cubic yards of sand from the channel, with disposal at a near shore site approximately one mile away.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Restore the South Jetty

**Request:** \$3.1 million

**Project Description:** The U.S. Army Corps of Engineers estimates that about 4,800 cubic yards of stone needs to be replaced to restore the South Jetty to its authorized dimensions. This project is necessary to prevent additional beach breaches and increased vulnerability to storm and hurricane surges that could endanger property and lives.

**Potential Recipient:** USACOE- New England Division

**Location:** Concord

**Purpose:** Restore the North Jetty

**Request:** \$9 million

**Project Description:** The North Jetty for the entrance to Newburyport Harbor, located at the south end of Salisbury Beach, is in need of repair. The U.S. Army Corps estimates that about 15,000 cubic yards of stone needs to be replaced to bring the project back to authorized dimensions.

**Potential Recipient:** USS Constitution Museum

**Location:** Charlestown, MA

**Purpose:** Construction of the “Old Ironsides” Discovery Center

**Request:** \$20 million

**Project Description:** This funding will be used for the construction of the “Old Ironsides” Discovery Center.

**Potential Recipient:** Very Special Arts

**Location:** Nationwide

**Purpose:** Activities Authorized Under the Elementary and Secondary Education Act

**Request:** \$10 million

**Project Description:** VSA Arts is an international, nonprofit organization founded in 1974 to create a society where all people with disabilities learn through, participate in and enjoy the arts. VSA Arts is an affiliate of the John F. Kennedy Performing Arts Center.

**Potential Recipient:** Wakonda Technologies, Inc.

**Location:** Woburn, MA

**Purpose:** High Efficiency Solar Generators for Aerospace Electric Power

**Request:** \$1.7 million

**Project Description:** This program will develop capability for production of high efficiency, flexible solar cells for critical aerospace electric power needs.

**Potential Recipient:** Wakonda Technologies, Inc.

**Location:** Woburn, MA

**Purpose:** High Efficiency Solar Generators for Mission Critical Electric Loads

**Request:** \$2.75 million

**Project Description:** This funding will go towards the development of high efficiency, flexible solar cells for critical warfighter electric power needs.

**Potential Recipient:** Warren Pumps, Inc.

**Location:** Warren, MA

**Purpose:** Advanced Fuel Filtration System

**Request:** \$3.2 million

**Project Description:** This funding will go towards developing an Advanced Fuel Filtration System (AFF) for the Navy. The AFF provides a processed fuel quality that is consistently superior to the current shipboard centrifugal purifier while improving shipboard quality of life by eliminating noise and vibration.

**Potential Recipient:** Waters Corporation

**Location:** Milford, Massachusetts

**Purpose:** USDA International Food Safety Training Institute

**Request:** \$3,344,000

**Project Description:** This funding will go to developing the International Food Safety Training Institute (IFSTI) to educate foreign government officials, industry professionals and U.S. scientists on American and international food safety standards and regulations. The goal of this program is to prevent the incidence of food supply contamination domestically by improving screening techniques on imported foods.

**Potential Recipient:** Water Research Foundation

**Location:** Nationwide

**Request:** \$5 million

**Purpose:** To provide safe and sustainable water

**Project Description:** to sponsor individual research projects through the Water Research Foundation that enable municipal water utilities to provide safe, affordable and sustainable water to their customers

**Potential Recipient:** Weatherization Assistance Program at the Department of Energy

**Location:** Nationwide

**Purpose:** Cut energy costs for low-income families, the elderly, and the disabled

**Request:** \$1.05 billion

**Project Description:** The Weatherization Assistance Program (WAP) helps low-income families, the elderly, and the disabled by improving the energy efficiency of their housing. Less burdened by high energy bills, these families have additional funds for other essentials. This additional funding will help states weatherizing networks meet their ambitious goal of weatherizing two million homes in two years.

**Potential Recipient:** Wellman Center for Photomedicine

**Location:** Boston, MA

**Purpose:** Military Photomedicine Program

**Request:** \$8 million

**Project Description:** This program supports interdisciplinary teams of scientist and health care professionals at academic photomedicine centers in the development of technologies and in collaboration with Department of Defense medical laboratories that are important to addressing battlefield and other health care problems identified by DoD as important to military personnel.

**Potential Recipient:** Westerly Wastewater Treatment Facility

**Location:** Marlborough, Massachusetts

**Request:** \$500,000

**Purpose:** To improve the water quality in Westerly

**Project Description:** to upgrade the City's Westerly Wastewater Treatment Facility

**Potential Recipient:** Western New England College

**Location:** Springfield, MA

**Purpose:** Advance wind energy

**Request:** \$2.5 million

**Project Description:** This project conducted in partnership with Flodesign Wind Turbine, Inc., will lead to the next generation of wind turbine technology by supporting the fabrication of a scale prototype, a large scale model and testing in a real world environment.

**Potential Recipient:** Westfield State College

**Location:** Westfield, Massachusetts

**Purpose:** Westfield State College, Disability Service Center Construction, MA

**Request:** \$325,000

**Project Description:** Funding is requested to renovate and expand a crowded area serving students with disabilities into a state-of-the-art, fully integrated Disabilities Service Center accommodating approximately 500 students and professional staff, incorporating adaptive technology, exam administration, and academic tutoring.

**Potential Recipient:** Westfield State College

**Location:** Westfield, Massachusetts

**Purpose:** Westfield State College North Campus Access Road and Entrance Improvements, MA

**Request:** \$7,385,342

**Project Description:** The requested funding would be used to continue construction of an additional access road and egress point to the Westfield State College campus, alleviating heavy traffic flows and congestion on Western Avenue. The goal is to improve safety for students and city residents given its proximity to Stanley Park and Juniper Park Elementary School.

**Potential Recipient:** Weston Geophysical Corp

**Location:** Lexington, MA

**Purpose:** Air Force Research Laboratory's Nuclear Explosion Monitoring Research Program

**Request:** \$23 million

**Project Description:** The Air Force Research Laboratory (AFRL) at Hanscom Air Force Base, MA, conducts the only DOD seismic research program to support the Air Force's mission to monitor the world for clandestine nuclear explosions. This funding will increase their ability to understand complicated regional seismic signals from small nuclear tests, such as those to be detected under the CTBT, in order to properly interpret the data from its arrays.

**Potential Recipient:** Western Massachusetts Chapter of the National Tooling and Machining Association

**Location:** Springfield, MA

**Purpose:** Massachusetts Advanced Manufacturing Center

**Request:** \$4 million

**Project Description:** The Western Massachusetts chapter of the National Tooling and Machining Association (WMNTMA), in conjunction with the Regional Employment Board (REB) of Hamden County, has engaged the National Center for Defense Manufacturing and Machining (NCDMM) to establish the Massachusetts Advanced Manufacturing Center in this region. Building on the NCDMM model and infrastructure, both start-up costs and learning-curve time will be reduced while the realization of benefits will be accelerated and leveraged.

**Potential Recipient:** Wheelock College

**Location:** Boston, MA

**Purpose:** Strong Families/Healthy Children: Meeting the Emerging Needs of Military Families

**Request:** \$800,000

**Project Description:** Wheelock College would use this funding to partner with the Department of Defense (DOD) to develop, test, and replicate the Strong Families/Healthy Children program in the greater-Boston area. Wheelock would train providers in Massachusetts to successfully implement this program

**Potential Recipient:** Whittier Street Health Center

**Location:** Roxbury, MA

**Purpose:** Whittier Street Health Center Expansion and Relocation

**Request:** \$1 million

**Project Description:** These funds would be used to build a state-of-the-art, 60,000 square-foot medical facility that will allow Whittier to expand its health care and social services.

**Potential Recipient:** WhizKids Foundation, Inc.

**Location:** Cambridge, MA

**Purpose:** WhizKids Math, Science, and Engineering Youth Education and Mentoring Programs

**Request:** \$200,000

**Project Description:** These funds will be used by WhizKids to increase the number of participating schools. WhizKids provides instructors to teach at schools, materials needed for the lessons, and the transportation costs of getting the volunteer instructors to participating schools. Also, these funds will be used to create additional teaching materials used by the WhizKids staff.

**Potential Recipient:** WGBH

**Location:** Brighton, MA



**Purpose:** The "Design Squad" Engineering Educational Program

**Request:** \$500,000

**Project Description:** This funding will help to support production costs associated with an outreach campaign and website designed to inspire a new generation of engineers.

**Potential Recipient:** Wheelock College

**Location:** Boston, MA

**Purpose:** Early Childhood Higher Education Access Project

**Request:** \$305,000

**Project Description:** The funding would be used to design, implement and evaluate a pilot program for improving access to higher learning and degree attainment for early childhood educators in the Boston area. This project will also begin to evaluate the need for improved compensation for early childhood educators.

**Potential Recipient:** Wheelock College

**Location:** Boston, Massachusetts

**Purpose:** Math and Science Learning Community

**Request:** \$860,000

**Project Description:** This funding is requested to support Wheelock College's Math and Science Education Initiative (MSEI), which provides math and science in-service training for preschool to 6th grade teachers in order to improve math and science instruction in the classroom and inspire student interest in these subjects at a young age. Specifically, Wheelock intends to use this funding to more deeply engage schools, community based preschools, and supplemental education providers to develop a Math and Science Learning Community.

**Potential Recipient:** Wilson TurboPower

**Location:** Woburn, MA

**Purpose:** Improve the efficiency of large scale solar energy generation

**Request:** \$1.45 million

**Project Description:** The purpose of the Concentrating Solar Power (CSP) Microturbine Development Project is to complete the fabrication of a concentrating solar power (CSP) ceramic microturbine, after a nine-month period of development, test, and evaluation. The CSP microturbine project aims to improve the efficiency of large scale solar energy generation by 30 to 40 percent.

**Potential Recipient:** Windermere Rehabilitation Facility

**Location:** Oak Bluffs, MA

**Purpose:** Windermere Rehabilitation Facility Improvements

**Request:** \$1 million

**Project Description:** These funds would be used to renovate and repair the facility to keep it structurally sound and to acquire equipment needed to continue providing quality patient care.

**Potential Recipient:** Wisconsin and Massachusetts Cranberry Research Initiative

**Location:** Wareham, Massachusetts

**Purpose:** Massachusetts and Wisconsin Cranberry Research Initiative

**Request:** \$10 million

**Project Description:** The requested funds will be used for cranberry conservation work in the States of Wisconsin and Massachusetts. The project will help farmers increase cranberry production while reducing its effects on the environment.

**Potential Recipient:** Women's Sports Foundation

**Location:** Boston, Massachusetts

**Purpose:** GoGirlGo! Initiative Boston

**Request:** \$600,000

**Project Description:** The GoGirlGo! Boston Initiative is dedicated to advancing the lives of girls and women through sports and fitness. GoGirlGo! is a mentoring, education and development program targeting at-risk teens to prevent dropping out, truancy, crime, violence and drug abuse by promoting participation in sports and physical activity during after school hours when teens are at the greatest risk for dysfunctional social behaviors.

**Potential Recipient:** Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

**Location:** Hyannis Harbor, Massachusetts

**Purpose:** SSA Hyannis Terminal Slip Improvements, MA

**Request:** \$2 million

**Project Description:** The requested funding would go towards the Hyannis Terminal Slip Improvement Project. This would create a passenger pick-up and drop-off area to improve the level of service for passengers traveling on the Authority's high-speed passenger vessel while limiting the number of vehicles transported to the island.

**Potential Recipient:** Worcester Polytechnic Institute (WPI)

**Location:** Worcester, Massachusetts

**Purpose:** First Responder Indoor Locator, Tracking, Monitoring Rescue System

**Request:** \$5 million

**Project Description:** This funding would support ongoing work on radio-based precision location techniques by identifying and combining it with complementary technologies to produce a wireless, wearable and low cost 3D Personnel Locator, Tracking and Health Monitoring system that can be rapidly inserted into service to enhance situational awareness and improve the safety of first responder services.

**Potential Recipient:** Worcester Polytechnic University

**Location:** Worcester, MA

**Purpose:** The Center for Neuroposthetics and BioMEMS

**Request:** \$4.3 million

**Project Description:** The Center for Neuroposthetics and BioMEMS, housed in Worcester Polytechnic Institute's (WPI) Bioengineering Institute, is taking a unique and groundbreaking approach to the development of a new, advanced generation of prosthetic limbs and organs that are integrated with, and controlled by the nervous system. This project involves the development of interactive prosthetic limbs that have all the characteristics and functionality of a human limb, including range of motion, joint articulation, nervous system control and sensory feedback.

**Potential Recipient:** Xsight Systems, Inc.

**Location:** Boston, Massachusetts

**Purpose:** Full-runway Foreign Object Debris Automatic Monitoring and Detection System, MA

**Request:** \$1.32 million

**Project Description:** This funding would be used to extend the existing 10 unit automatic foreign object debris (FOD) detection test system at Logan Airport in Boston, Massachusetts, to a full runway system. In addition to the safety benefits, the expanded system will collect detailed information on FOD to help with the development of FOD detection standards for smaller airports across the country.

**Potential Recipient:** YouthBuild USA

**Location:** Nationwide

**Purpose:** Youth Education Crime Prevention and Leadership Development Programs

**Request:** \$170 million

**Project Description:** This funding will support the ongoing programs of YouthBuild USA, which is a youth and community development program that simultaneously addresses core issues facing low-income communities: housing, education, employment, crime prevention, and leadership development. In YouthBuild programs, low-income young people ages 16-24 work toward their GEDs or high school diplomas, learn job skills and serve their communities by building affordable housing. In the process they can transform their own lives and roles in society.

**Potential Recipient:** YWCA Southeastern Massachusetts, Inc.

**Location:** New Bedford, Massachusetts

**Purpose:** Community Center and Women's Housing Facility Expansion, MA

**Request:** \$525,000

**Project Description:** The YWCA seeks to construct a 12,000 square foot building addition in order to consolidate its offsite childcare and women's transitional residency programs into a safe, nurturing and financially stable operation. With demand for its human service programs increasing, the YWCA must relocate these programs from existing leased facilities in poor condition and in high crime areas to its historic Levi Standish House which will become a barrier-free, center-city campus.